

# Service Manual

## Colour LCD Television



**TX-L42G20E**  
**TX-L42G20ES**  
**TX-LF42G20S**

## GLP25 Chassis

### Specifications

<b>Power Source:</b>	220-240V AC, 50Hz
<b>Rated Power Consumption:</b>	188W
<b>Stand-by Power Consumption:</b>	0.25W (Without monitor out recording) 17W (With monitor out recording)
<b>Aerial Impedance:</b>	75Ω unbalanced, Coaxial Type
<b>Receiving System:</b>	PAL-I/H, B/G, D/K SECAM B/G, D/K, L/L' PAL-525/60 (AV only) DVB-T (Digital Terrestrial Services (MPEG2 and MPEG4-AVC(H.264)) DVB-C (Digital cable services (MPEG2 and MPEG4-AVC(H.264)) M.NTSC (AV only) NTSC (AV only)
<b>PC signals:</b>	VGA, SVGA, WVGA, XGA, SXGA, WXGA (compressed) Horizontal scanning frequency 31 – 69 kHz Vertical scanning frequency 59 – 86 Hz
<b>Receiving Channels:</b>	VHF E2-E12 VHF A-H (ITALY) VHF R3-R5 UHF E21-E69 CATV S1-S10 (M1-M10) CATV S21-S41 (Hyperband) VHF H1-H2 (ITALY) VHF R1-R2 VHF R6-R12 CATV (S01-S05) CATV S11-S20 (U1-U10)
<b>Aerial - Rear:</b>	VHF/UHF
<b>Operating Conditions:</b>	Temperature :0°C ÷ 35°C Humidity :20% ÷ 80% RH (non condensing)
<b>Intermediate Frequency:</b>	
<b>Video/Audio</b>	
Video	38.9MHz, 33.9MHz
Audio	33.4MHz (B/G), 33.16MHz (A2) 33.05MHz (NICAM B/G, D/K, L') 32.4MHz (D/K), 32.66MHz (CZ STEREO) 40.4MHz (L'), 39.75MHz (L' NICAM)
Colour	34.47MHz (PAL) 34.5MHz, 34.65MHz (SECAM) 38.3MHz, 38.15MHz (SECAM L')

**Terminals:**

AV1 IN	Video (21 pin)	1V p-p 75Ω
	Audio (21 pin)	500mV rms 10kΩ
	RGB (21 pin)	0.7V p-p 75Ω
AV1 OUT	Video (21 pin)	1V p-p 75Ω
	Audio (21 pin)	500mV rms 1kΩ
AV2 IN	Video (21 pin)	1V p-p 75Ω
	Audio (21 pin)	500mV rms 10kΩ
	RGB (21 pin)	0.7V p-p 75Ω
	S-video IN (21-pin)	Y: 1V p-p 75Ω C:0.3V p-p 75Ω
AV2 OUT	Video (21 pin)	1V p-p 75Ω
	Audio (21 pin)	500mV rms 1kΩ
AV3 IN	Audio (RCAx2)	500mV rms 10kΩ(used for HDMI4, AV3-AUDIO)
	Video (RCAx1)	Y:1V p-p 75Ω
HDMI1, HDMI2, HDMI3, HDMI4	Type A Connectors	
	HDMI 1/3/4	:HDMI (Version 1.3a with Deep Colour) :HDMI (Version 1.4 with Content Type)
	HDMI 2	:HDMI (Version 1.4 with Content Type, Audio Return Channel) :HDMI (Version 1.3a with Deep Colour)
	This TV supports "HDAVI Control 5" function.	
COMPONENT	Video (RCAx3)	Y:1V p-p 75Ω (including synchronization) Pb, Pr: ±0.35V p-p 75Ω
AUDIO IN	Audio (RCAx2)	500mV rms 10kΩ (used for HDMI1/2/3, COMPONENT-AUDIO)
AUDIO OUT	Audio (RCAx2)	500mV rms 1kΩ (high impedance)
DIGITAL AUDIO OUT	PCM / Dolby digital,DTS, Fiber optic	
USB 1/2	USB 2.0 DC 5V Max 500mA	
CARD SLOT	SD Card slot x1	
	Common Interface slot x1	
PC	HIGH-DENSITY D_SUB 15PIN	R,G,B: 700mV p-p 75Ω
		HD,VD/TTL Level 2-5V p-p (high impedance)
ETHERNET	RJ45, IEEE802.3 10BASE-T / 100BASE-TX	
<b>LCD screen:</b>	L5EDDAT00006	
	1,920 x 1,080 XGA, 16:9	
	Visible Diagonal 1060mm	
<b>Audio Output:</b>	20W (2x10W), 10% THD	
<b>Headphones:</b>	3,5mm, 8Ω Impedance	
<b>Accessories supplied :</b>	Remote Control	2 x R6 (UM3) Batteries
<b>Dimensions:</b>	Height:	Width: Depth:
	682mm	1021mm 310mm
TV set only	637mm	1021mm 109mm
<b>Mass:</b>	Including TV stand	
	20.5kg	
TV set only	17.5kg	

Specifications are subject to change without notice. Weights and dimensions shown are approximate.

### Warning

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products deal within this service information by anyone else could result in serious injury or death.

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# Safety Precautions

## General Guide Lines

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following touch current checks to prevent the customer from being exposed to shock hazards.
4. Always ensure panel TKP0E16001 is correctly replaced before returning to customer (see Fig.1).

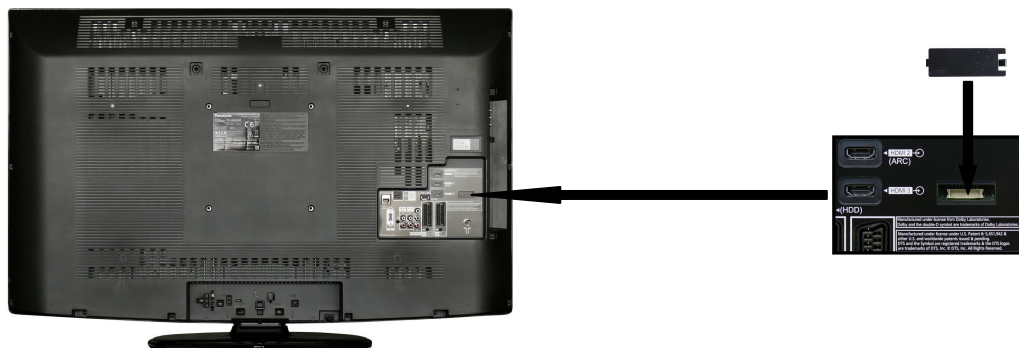
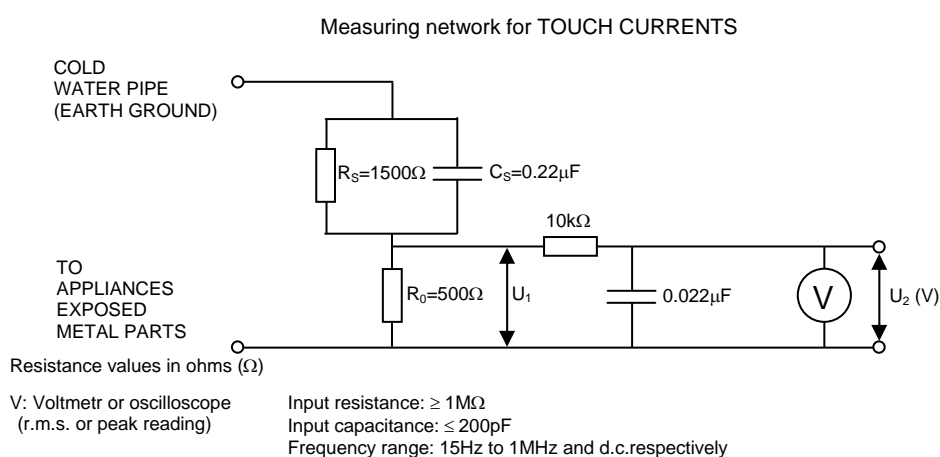


Fig. 1

## Touch-Current Check

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a measuring network for touch currents between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Fig. 2.
3. Use Leakage Current Tester (Simpson 228 or equivalent) to measure the potential across the measuring network.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reserve the AC plug in the AC outlet and repeat each of the above measure.
6. The potential at any point (TOUCH CURRENT) expressed as voltage  $U_1$  and  $U_2$ , does not exceed the following values:  
For a. c.:  $U_1 = 35 \text{ V}$  (peak) and  $U_2 = 0.35 \text{ V}$  (peak);  
For d. c.:  $U_1 = 1.0 \text{ V}$ ,  
Note:  
The limit value of  $U_2 = 0.35 \text{ V}$  (peak) for a. c. and  $U_1 = 1.0 \text{ V}$  for d. c. correspond to the values  $0.7 \text{ mA}$  (peak) a. c. and  $2.0 \text{ mA}$  d. c.  
The limit value  $U_1 = 35 \text{ V}$  (peak) for a. c. correspond to the value  $70 \text{ mA}$  (peak) a. c. for frequencies greater than  $100 \text{ kHz}$ .
7. In case a measurement is out of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.



NOTE – Appropriate measures should be taken to obtain the correct value in case of non-sinusoidal waveforms

Fig. 2




# Prevention of Electrostatic Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge build up or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.  
Caution  
Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

## IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by  in schematic diagrams, exploded views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

## About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.


In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.

The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).

That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

This model uses Pb Free solder in it's manufacture due to environmental conservation issues. For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.

PCBs manufactured using lead free solder will have the PbF within a leaf Symbol

 stamped on the back of PCB.

### Caution

- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40°C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).  
If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.
- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see Fig.3)

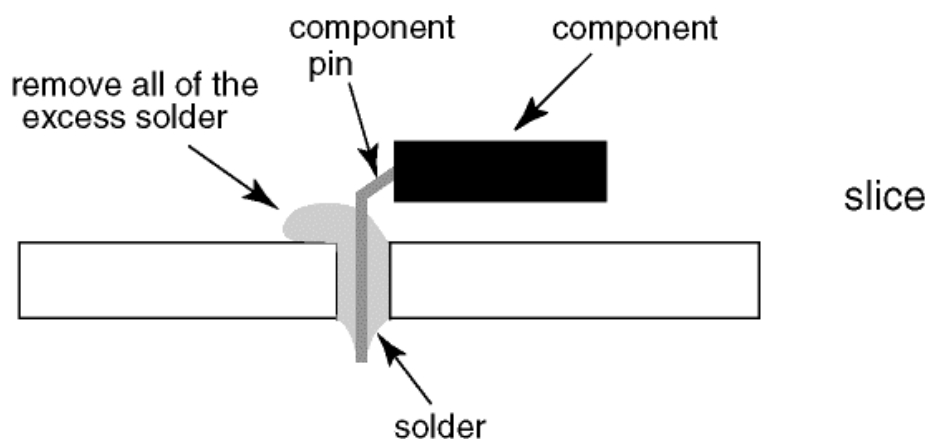


Fig.3

### Suggested Pb free solder

There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used. (see Fig.4)

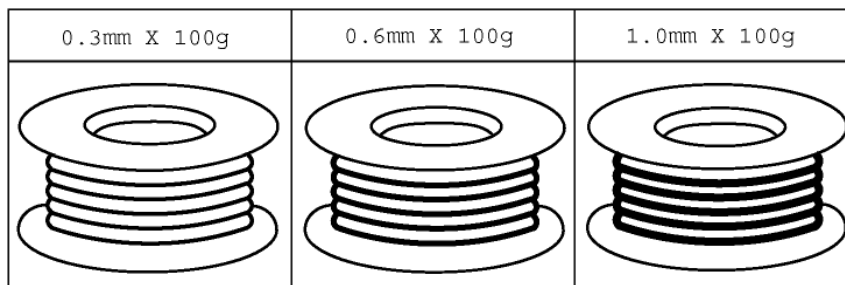


Fig.4

## Applicable Signals

### Component (Y, Pb, Pr), HDMI

Signal name	COMPONENT	HDMI
525 (480) / 60i	*	*
525 (480) / 60p	*	*
625 (576) / 50i	*	*
625 (576) / 50p	*	*
750 (720) / 60p	*	*
750 (720) / 50p	*	*
1,125 (1,080) / 60i	*	*
1,125 (1,080) / 50i	*	*
1,125 (1,080) / 60p	*	*
1,125 (1,080) / 50p	*	*
1,125 (1,080) / 24p	*	*

### PC (from D-sub 15P)

Applicable input signal for PC is basically compatible to VESA standard timing.

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)
640 × 400 @70 Hz	31.47	70.07
640 × 480 @60 Hz	31.47	59.94
640 × 480 @75 Hz	37.50	75.00
800 × 600 @60 Hz	37.88	60.32
800 × 600 @75 Hz	46.88	75.00
800 × 600 @85 Hz	53.67	85.06
852 × 480 @60Hz	31.44	59.89
1,024 × 768 @60Hz	48.36	60.00
1,024 × 768 @70Hz	56.48	70.07
1,024 × 768 @75Hz	60.02	75.03
1,024 × 768 @85Hz	68.68	85.00
1,280 × 768 @60Hz	47.70	60.00
1,280 × 1,024 @60Hz	63.98	60.02
1,366 × 768 @60Hz	48.39	60.04
Macintosh 13" (640 × 480)	35.00	66.67
Macintosh 16" (832 × 624)	49.73	74.55
Macintosh 21" (1,152 × 870)	68.68	75.06

### PC (from HDMI terminal)

Applicable input signal for PC is basically compatible to HDMI standard timing.

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)
640 × 480 @60 Hz	31.47	60.00
750 (720) / 60p	45.00	60.00
1,125 (1,080) / 60p	67.50	60.00

### Note:

- Signals other than above may not be displayed properly.
- The above signals are reformatted for optimal viewing on your display.
- PC signal is magnified or compressed for display, so that it may not be possible to show fine detail with sufficient clarity.

## Service Hints

### How to remove the backcover

Lay the main unit face down. (see Fig.5)



Fig.5

Remove the 4 fixing screws and the pedestal assembly. (see Fig.6)

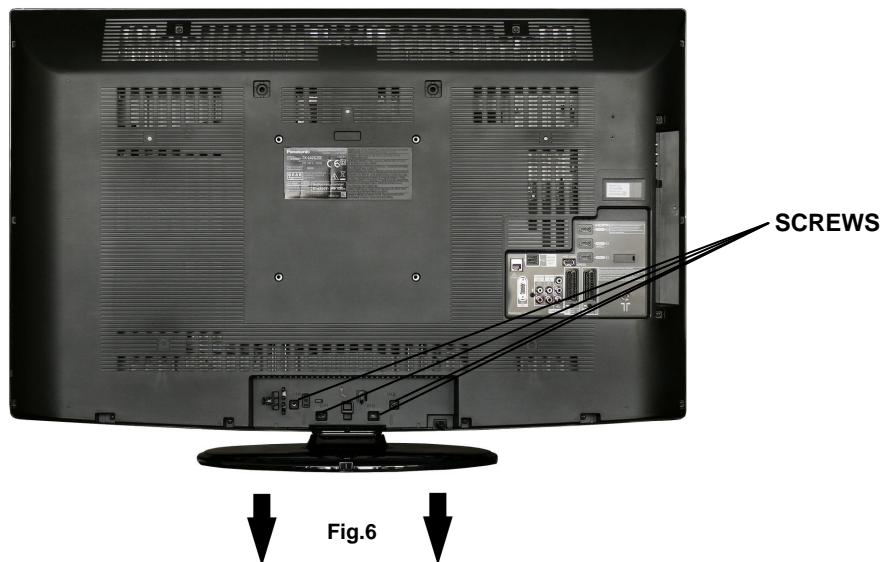


Fig.6

Remove the 17 fixing screws. (see Fig.7)

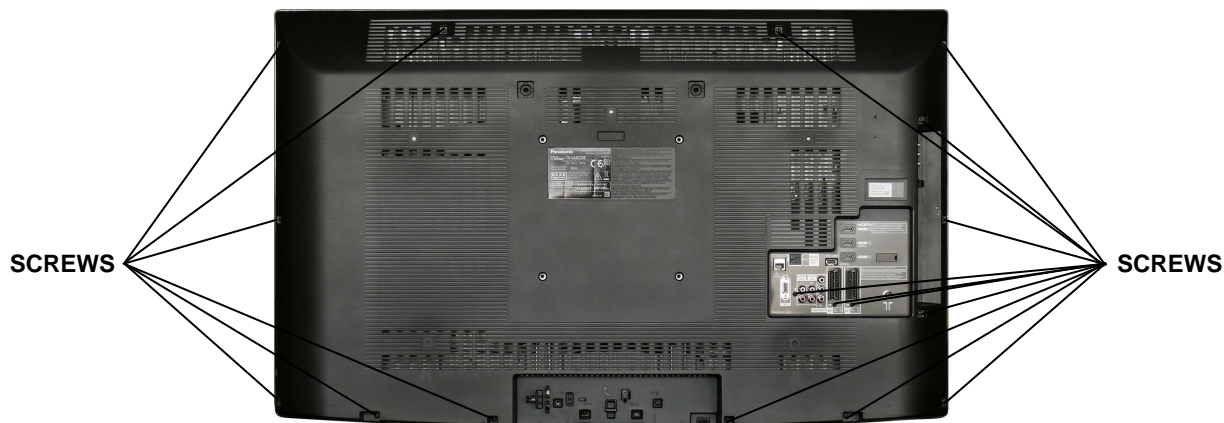
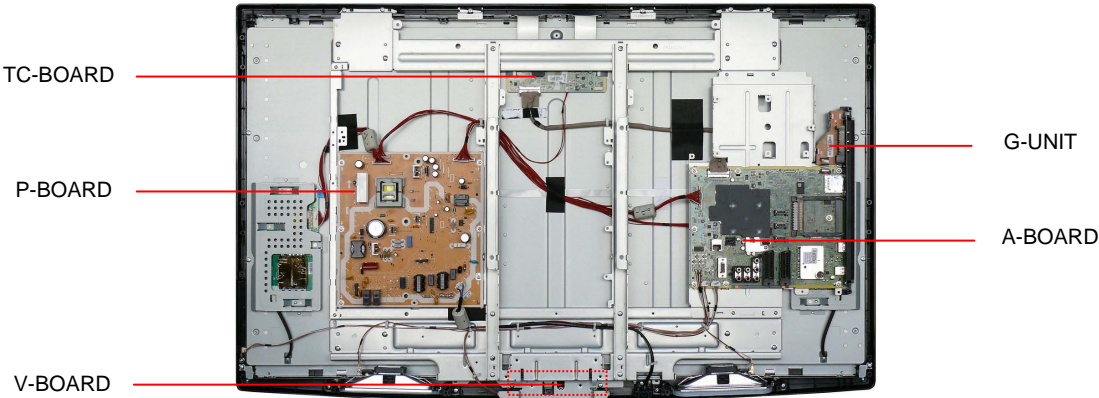


Fig.7

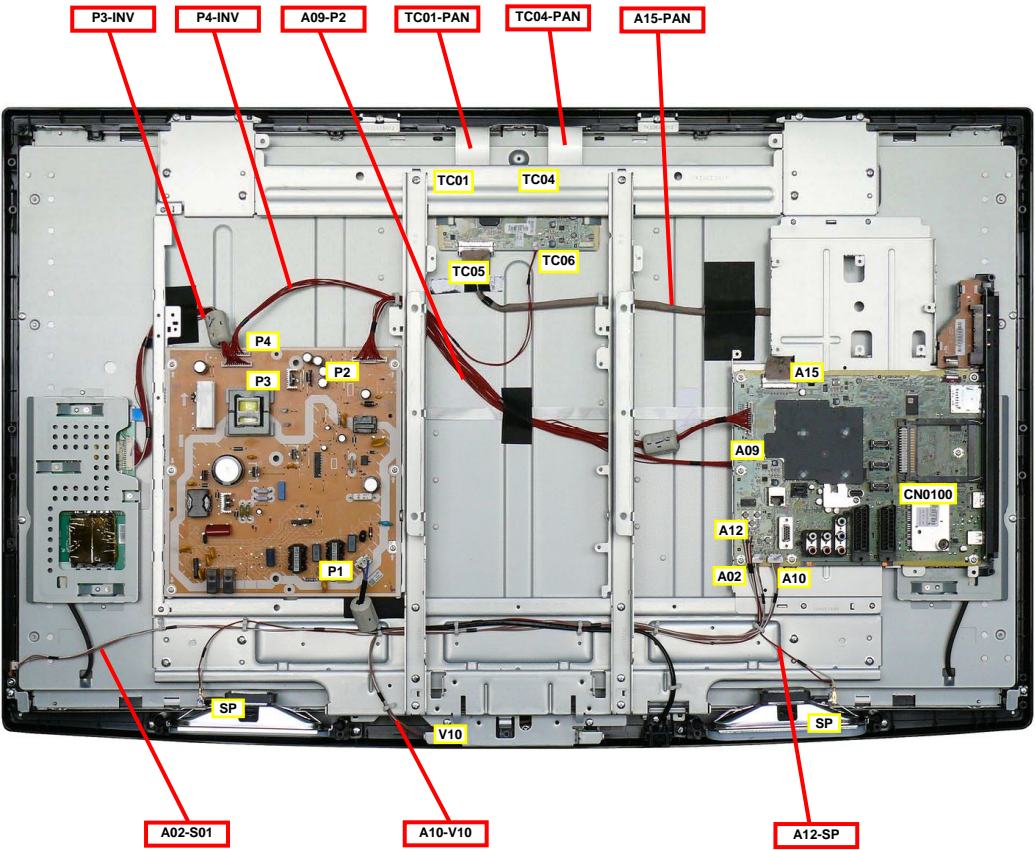
# Chassis Board Layout



Board Name	Function
A-BOARD	AV Terminal, HDMI, AV Switch, Sound Processor, TV tuner, PC, LAN, OPT Terminal, GENX, EEPROM, ADV,LDA2, Speaker out,USB slot
P-BOARD	Power Supply, Main Input
V-BOARD	Remote Receiver, C.A.T.S., R/G LED
G-UNIT	Side AV3 Terminal
TC-BOARD	Panel Driver

## Location of Lead Wiring

To find the Part Number of required wire in Replacement Parts List click on the wire name in red box.



## Technical Description

### Specification of KEY for CI Plus, DTCP-IP and One-to-One

#### General information:

1. EEPROM (IC8950) for spare parts has the seed of KEY for each.
2. The final KEY data will be generated by LDA2 IC (IC8000) when SELF CHECK was done and are stored in both LDA2 IC (IC8000) and EEPROM (IC8950).  
Three KEY are not generated for all models.  
The necessary KEY are only generated and stored depend on the feature of models.

#### Replacement of ICs:

When LDA2 IC (IC8000) is replaced, EEPROM (IC8950) should be also replaced with new one the same time.

When EEPROM (IC8950) is replaced, LDA2 IC (IC8000) is not necessary to be replaced the same time.

After the replacement of IC, SELF CHECK should be done to generate the final KEY data.

How to SELF CHECK: While pressing [VOLUME ( - )] button on the main unit, press [MENU] button on the remote control for more than 3 seconds.

TV will be forced to the factory shipment setting after this SELF CHECK.

#### Model and Keys:

Model No.	Keys		
	CI PLUS	DTCP-IP	One-to_one (for USB Rec.)
TX-L42G20E	YES	YES	YES
TX-L42G20ES	YES	YES	YES
TX-LF42G20S	None	YES	YES



## Setting Inspection

### Voltage Confirmation

<b>A board</b>		
<b>Description</b>	<b>Test point</b>	<b>Voltage</b>
SUB1.8V	TP5601	1.76V – 1.87V
SUB1.2V	TP5600	1.18V – 1.29V
SUB3.3V	TP5602	3.19V – 3.39V
SUB5V	TP5200	4.9V – 5.1V
SUB9V	TP5220	8.82V – 9.27V
STB5V	TP5400	4.9V – 5.1V
<b>TC board</b>		
<b>Description</b>	<b>Test point</b>	<b>Voltage</b>
ZW1.2V	TP9061	1.17 - 1.31V
ZW3.3V	TP9062	3.1 - 3.5V
LVCORE1.2V	TP9205	1.10 - 1.25V
LVCC3.3V	TP9208	3.1 - 3.5V
LVDD16V	TP9210	15.75 - 16.94V
VGH(25°C)	TP9211	26.69 - 28.69V
VGL	TP9207	-5.67 - -4.93V
H_VDD8V	TP9206	7.89 - 8.41V
<b>P board</b>		
<b>Description</b>	<b>Test point</b>	<b>Voltage</b>
24V_INV	TP807	< 1V
17V	TP806	< 1V
12V	TP805	< 0.5V
STB_5V8/TUNER5V8	TP803	5.7V ± 0.3V
400V	TP800	n/a

## Self Check

Self-check is used to automatically check the bus lines and hexadecimal code of the TV set. To enter Self-Check mode, keep pressing the down **(-v)** button on the TV set and press the **STATUS**  button on the remote control. To exit Self Check, switch off the TV set at the power button.

### TX-L42G20E

Panasonic 2010LCD Self Check Complete			
42FHD			
TUN	O.K.	PEAKS-SOFT	2.005
STBY	O.K.	PEAKS-EEP	01.00.0005
MEM1	O.K.	LSI-PACKAGE	0.024
MEM2	O.K.	LSI-RELEASE	0.29
ADAM	O.K.	STBY-SOFT	1.00.00
AVSW	O.K.	STBY-EEP	1.08.3600
OFDM	O.K.	STBY-ROMCORR	1.01.00
VIF	O.K.	ZWEI-SOFT	05000102
LAN	O.K.		
ZWEI	O.K.		
ID	O.K.		
		SUM	C71D
		MODEL ID	07 03087100 00000020
		EDID	53 0afaeada

### TX-L42G20ES

Panasonic 2010LCD Self Check Complete			
42FHD			
TUN	O.K.	PEAKS-SOFT	2.005
STBY	O.K.	PEAKS-EEP	01.00.0005
MEM1	O.K.	LSI-PACKAGE	0.024
MEM2	O.K.	LSI-RELEASE	0.29
ADAM	O.K.	STBY-SOFT	1.00.00
AVSW	O.K.	STBY-EEP	1.08.3600
OFDM	O.K.	STBY-ROMCORR	1.01.00
VIF	O.K.	ZWEI-SOFT	05000102
LAN	O.K.		
ZWEI	O.K.		
ID	O.K.		
		SUM	C71D
		MODEL ID	07 03087100 00000020
		EDID	53 0afaeada

### TX-LF42G20S

Panasonic 2010LCD Self Check Complete			
42FHD			
TUN	O.K.	PEAKS-SOFT	2.005
STBY	O.K.	PEAKS-EEP	01.00.0006
MEM1	O.K.	LSI-PACKAGE	0.024
MEM2	O.K.	LSI-RELEASE	0.29
ADAM	O.K.	STBY-SOFT	1.00.00
AVSW	O.K.	STBY-EEP	1.08.3600
OFDM	O.K.	STBY-ROMCORR	1.01.00
VIF	O.K.	ZWEI-SOFT	05000102
LAN	O.K.		
ZWEI	O.K.		
ID	O.K.		
		SUM	C7BE
		MODEL ID	07 03A87100 00000020
		EDID	53 0afaeada

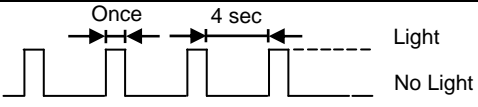







Display	Ref. No.	Description	P.C.B.
TUN	TU2901	TUNER	A-Board
STBY	IC1100	GENX	A-Board
MEM1	IC1101	EEPROM GENX	A-Board
MEM2	IC8950	EEPROM LDA2	A-Board
ADAM	IC8000	A CHIP LDA2	A-Board
AVSW	IC3000	AUDIO VIDEO SWITCH	A-Board
OFDM	IC8300	DIGITAL DEMODULATOR	A-Board
VIF	TU2901	TUNER	A-Board
LAN	IC8703	ETHERNET IF	A-Board
ZWEI	IC9006	ZWEI	TC-Board
ID	IC8950	EEPROM(LDA2)	A-Board

If the CCU ports have been checked and found to be incorrect or not located then " - - " will appear in place of "O.K.".



## Power LED blinking timing chart

1. Subject  
Information of LED Flashing timing chart.
2. Contents  
When abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by number of blinking of the Power LED on the front panel of the unit.

Blinking times	Blinking timing	Contents	Check point
1		BL_SOS (BACKLIGHT SOS)	LCD PANEL A BOARD
2		FAN_SOS	A BOARD
3		SOS	A BOARD
4		SUB12V_SENSE_SOS	A BOARD P BOARD
7		SUB3.3V_SENSE_SOS	A BOARD
9		SOUND_SOS	A BOARD P UNIT
10		ZWEI	TC BOARD
13		EMERGENCY SOS	A BOARD

## Service Mode Function

MPU controls the functions switching for each IICs through IIC bus in this chassis. The following setting and adjustment can be adjusted by remote control in Service Menu

### How to enter SERVICE

While pressing **(-V)** button on TV unit, press **0** on the remote control for 3 times within 2 seconds.

**Note:**

To exit from Service mode, press the exit button on remote control.

## SERVICE

SERVICE	Peaks SOFT	2.005	OPTION 1	1c
ADJUST	Peaks EEP	01.00.0005	OPTION 2	ee
WB-ADJ	LSI PACKAGE	0.024	OPTION 3	01
OPTION	LSI DATA	0.02.09	OPTION 4	08
SRV-TOOL	STBY SOFT	1.00.00	Model ID	07
	STBY EEP	1.08.3600		03087100
	STBY ROMCOR	1.01.00		00000020
	ZWEI SOFT	5.01.0002	R/E Cnt	000/000
	Ajax_CE	0.8.6	INV Cnt	0000
			CMS data	L0.403

### Key Command

- Press the **3/4** button to change the adjustment values or function.
- Press the **1/2** button to step up/down through the functions and adjustments
- Press the numerical button **VOLUME (+/-)** to change option item.
- Press the **OK** button after each adjustment has been made to store the required values.



# Service Tool Mode

## How to access

- 1. Select [SRV-TOOL] in Service Mode.
- 2. Press [OK] button on the remote control.

	SRV-TOOL	
Display of TD2Microcode version →	TD2Microcode:005a0910	
Display of Flash ROM maker code →	Flash ROOM: AD – F1	
Display of SOS History →	PTCT:00.00.00.00.00	Time 00051:30    On/Off 0000042

POWER ON TIME/COUNT  
Press [MUTE] button (3sec)

## Display of SOS History

SOS History (Number of LED blinking) indication.  
From left side; Last SOS, before Last, three occurrence before, 2<sup>nd</sup> occurrence after shipment, 1<sup>st</sup> occurrence after shipment.  
This indication will be cleared by [Self/check indication and forced to factory shipment setting].

## Power ON Time, On/Off

Note: To display TIME/COUNT menu, highlight position, then press MUTE for 3sec.  
Time: Cumulative power on time, indicated hour: minute by decimal.  
On/Off: Number of On/Off switching by decimal.  
Note: This indication will not be cleared by either of the self-checks or any other command.

## Exit

Disconnect the AC cord from wall outlet or switch off the power with [Power] button on the main unit.


## Hotel Mode

1. Purpose  
Restrict a function for hotels.
2. Access command to the Hotel mode setup menu.  
In order to display the Hotel mode setup menu,  
please enter the following command (within 2 second).  
[TV] : Vol.[Down] + [REMOTE] : AV (3 times)

Then, the Hotel mode setup menu is displayed.

Hotel mode	
Hotel mode	Off
Initial INPUT	Off
Initial POS	Off
Initial VOL Level	Off
Maximum Vol Level	Off
Button Lock	Off
Remote Lock	Off

Select



EXIT  
Change  
RETURN

3. To exit the "Hotel mode" menu press the EXIT button on remote control.
4. Explain the Hotel mode setup menu.

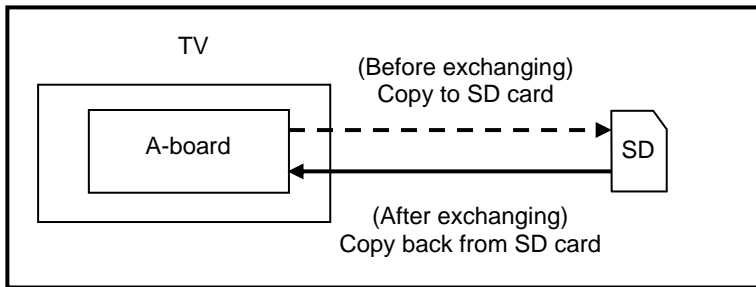
ITEM	Function
Hotel Mode	Select hotel mode ON/OFF
Initial INPUT	Select input signal modes. Set the input, when each time power is switched on. Selection: Off Analog /DVB-C/DVB-T AV1/AV2/AV2S/AV3/ Component/HDMI1/HDMI2/HDMI3/HDMI4 *Off: give priority to the last memory. However, Euro Model is compulsorily set to TV. *AVnS/AVnC: only Euro model selectable * PC:selectable with VGA option
Initial POS	Select programme number. Selection: Off/0 to 99 *Off: give priority to the last memory
Initial VOL Level	Adjust the volume when each time power is switched on. Selection/Range: Off/0 to 100 *Off: give priority to the last memory
Maximum VOL Level	Adjust maximum volume. Range: 0 to 100
Button Lock	Select local key conditions. Selection: Off/SETUP/MENU/ALL *Off: altogether valid *Setup: only F-key is invalid (Tuning guide (menu) can not be selected.) *MENU: only F-key is invalid (only Volume/Mute can be selected.) *All: altogether invalid.
Remote Lock	Select remote control key conditions. Selection: Off/SETUP/MENU *Off: altogether valid *Setup: only Setup menu is invalid MENU: Picture/Sound/Setup menu are invalid

# Data Copy by SD Card

## Purpose

### a) Board replacement (Copy the data when exchanging A-board):

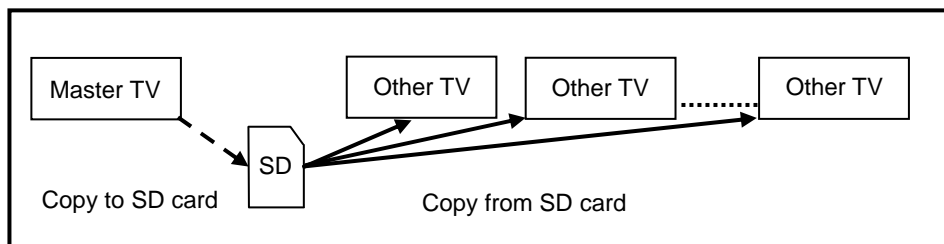
When exchanging A-board, the data in original A-board can be copied to SD card and then copy to new A-board.



Following data can be copied.  
User setting data  
(inc. Hotel mode setting data)  
Channel scan data  
Adjustment and factory preset data

### b) Hotel (Copy the data when installing a number of units in hotel or any facility):

When installing a number of units in hotel or any facility, the data in master TV can be copied to SD card and the copy to other TVs.



Following data can be copied.  
User setting data  
(inc. Hotel mode setting data)  
Channel scan data

## Preparation

Make pwd file as startup file for (a) or (b) in an empty SD card.

1. Insert an empty SD card to your PC.
2. Right-click a blank area in a SD card window, point to New, and then click text document. A new file is created by default (New Text Document.txt).
3. Right-click the new text document that you just created and select rename, and then change the name and extension of the file to the following file name (a) or (b) and press ENTER.

File name:

- (a) For Board replacement: boardreplace.pwd
- (b) For Hotel: hotel.pwd

Note:

Please make only one file to prevent the operation error.  
No any other file should be in SD card.

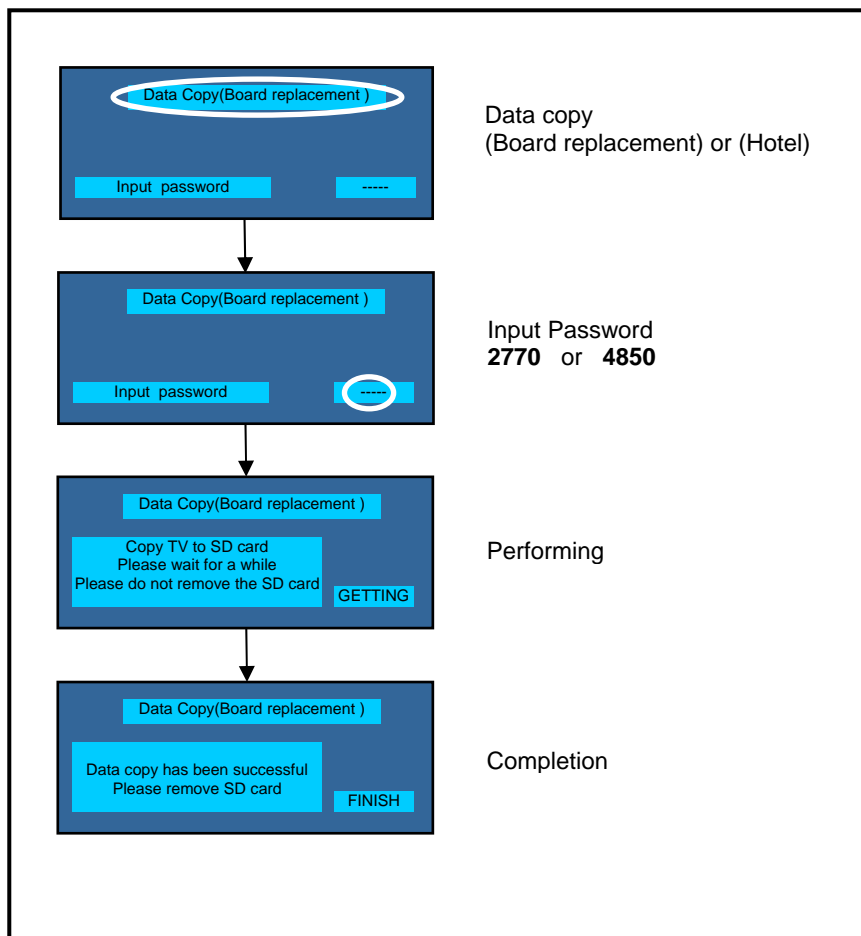
## Data Copy from TV set to SD Card

1. Turn on the TV set.
2. Insert SD card with a startup file (pwd file) to SD slot.  
On-screen Display will be appeared according to the startup file automatically.
3. Input a following password for (a) or (b) by using remote control.
  - (a) For Board replacement: 2770
  - (b) For Hotel: 4850Data will be copied from TV set to SD card.  
It takes around 2 to 6 minutes maximum for copying.
4. After the completion of copying to SD card, remove SD card from TV set.
5. Turn off the TV set.

### Note:

Following new folder will be created in SD card for data from TV set.

- (a) For Board replacement: user\_setup
- (b) For Hotel: hotel

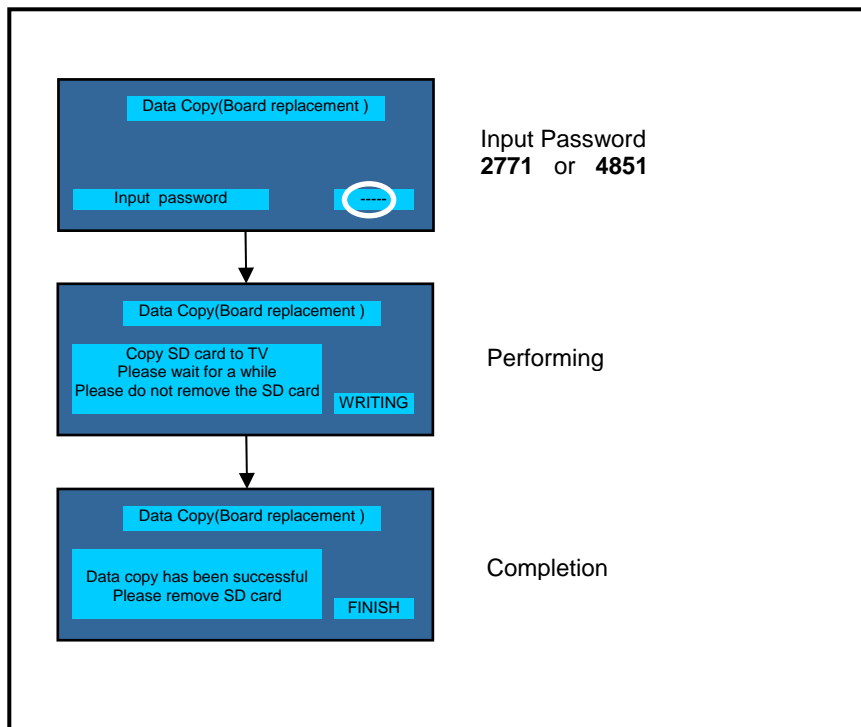


## Data Copy from SD Card to TV set

1. Turn on the TV set.
2. Insert SD card with Data to SD slot.  
On-screen Display will be appeared according to the Data folder automatically.
3. Input a following password for (a) or (b) by using remote control.
  - (a) For Board replacement: 2771
  - (b) For Hotel: 4851Data will be copied from SD card to TV set.
4. After the completion of copying from SD card, remove SD card from TV set.
  - (a) For Board replacement: Data will be deleted after copying (Limited one copy).
  - (b) For Hotel: Data will not be deleted and can be used for other TVs.
5. Turn off the TV set.

### Note:

1. Depending on the failure of boards, function of Data for board replacement does not work.
2. This function can be effective among the same model numbers.





## Option Bytes Description

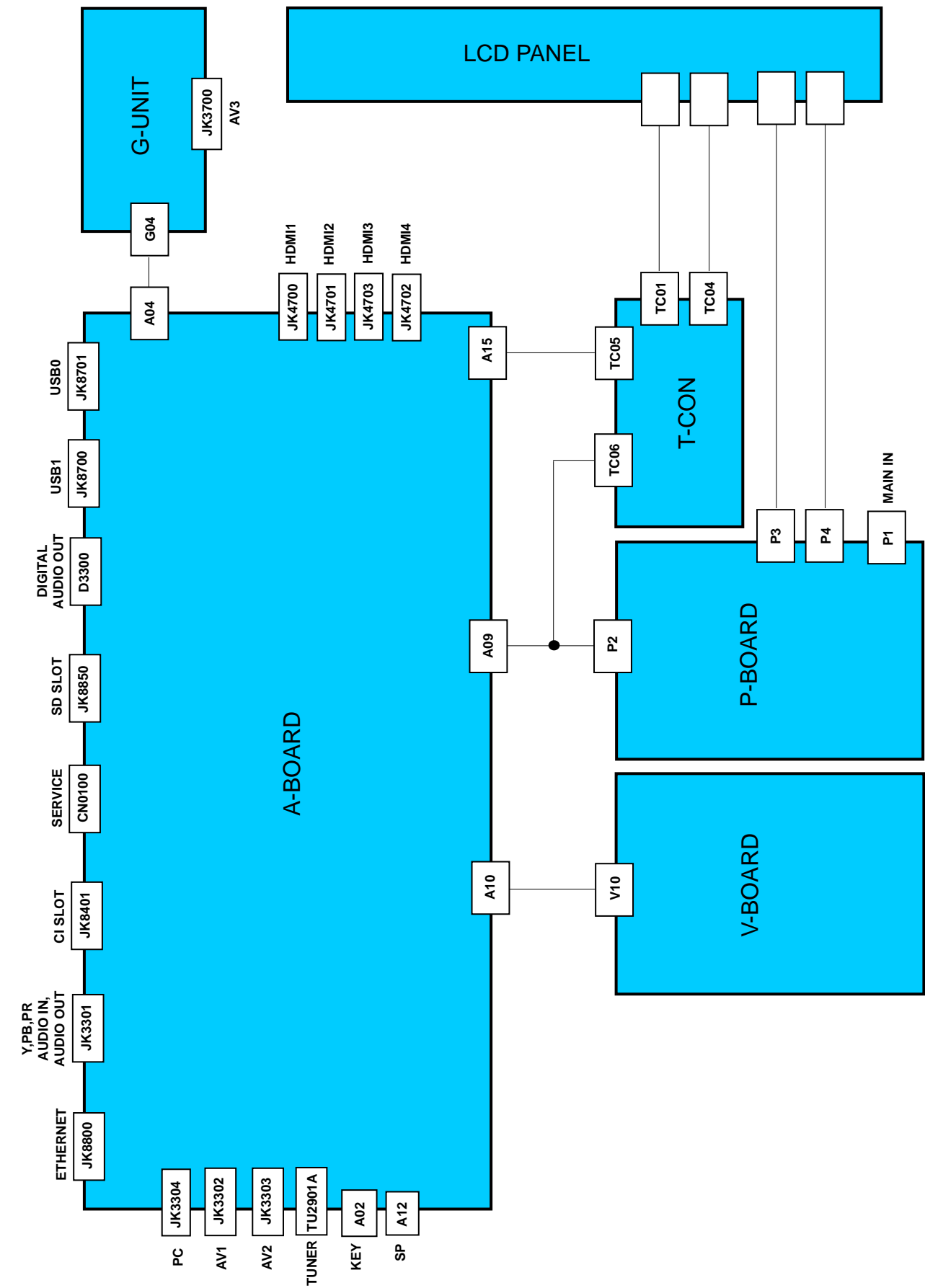
OPTION1			
	b0	ATP Search Speed	Slow (1) / Fast (0)
	b1	TXT Ch Refresh	On (1) / Off (0)
	b2	ID-1	On (1) / Off (0)
	b3	Macrovision Auto-Judge	On (1) / Off (0)
	b4	Surround enable low bit (*1)	On (1) / Off (0)
	b5	Surround enable low bit (*1)	On (1) / Off (0)
	b6	Pre Emphasis	On (1) / Off (0)
	b7	TINT_COMPONENT_HDMI	On (1) / Off (0)
OPTION2			
	b0	Adjust Igain enable	On (1) / Off (0)
	b1	A2 BC enable (5.5)	On (1) / Off (0)
	b2	A2 DK1 enable (6.26)	On (1) / Off (0)
	b3	A2 DK3 enable (5.742)	On (1) / Off (0)
	b4	NICAM scan	On (1) / Off (0)
	b5	NICAM BG enable (5.5)	On (1) / Off (0)
	b6	NICAM I enable (6.0)	On (1) / Off (0)
	b7	NICAM DK enable (6.5)	On (1) / Off (0)
OPTION3			
	b0	NICAM priority	On (1) / Off (0)
	b1	Starhub scan enable	On (1) / Off (0)
	b2	add H264 enable	On (1) / Off (0)
	b3	A2 DK2 enable	On (1) / Off (0)
	b4	Inhibition of countermeasure for SIF signal drop	On (1) / Off (0)
	b5	get onid from physical CH	On (1) / Off (0)
	b6		
	b7	SASO mute	On (1) / Off (0)
OPTION4			
	b0	All country DVB-S enable	On (1) / Off (0)
	b1	All country DVB-C enable	On (1) / Off (0)
	b2	3DYC color motion detected	On (1) / Off (0)
	b3		On (1) / Off (0)
	b4		On (1) / Off (0)
	b5		On (1) / Off (0)
	b6	PIP	On (1) / Off (0)
	b7	RF remote control	On (0) / Off (1)

# Adjustment Method

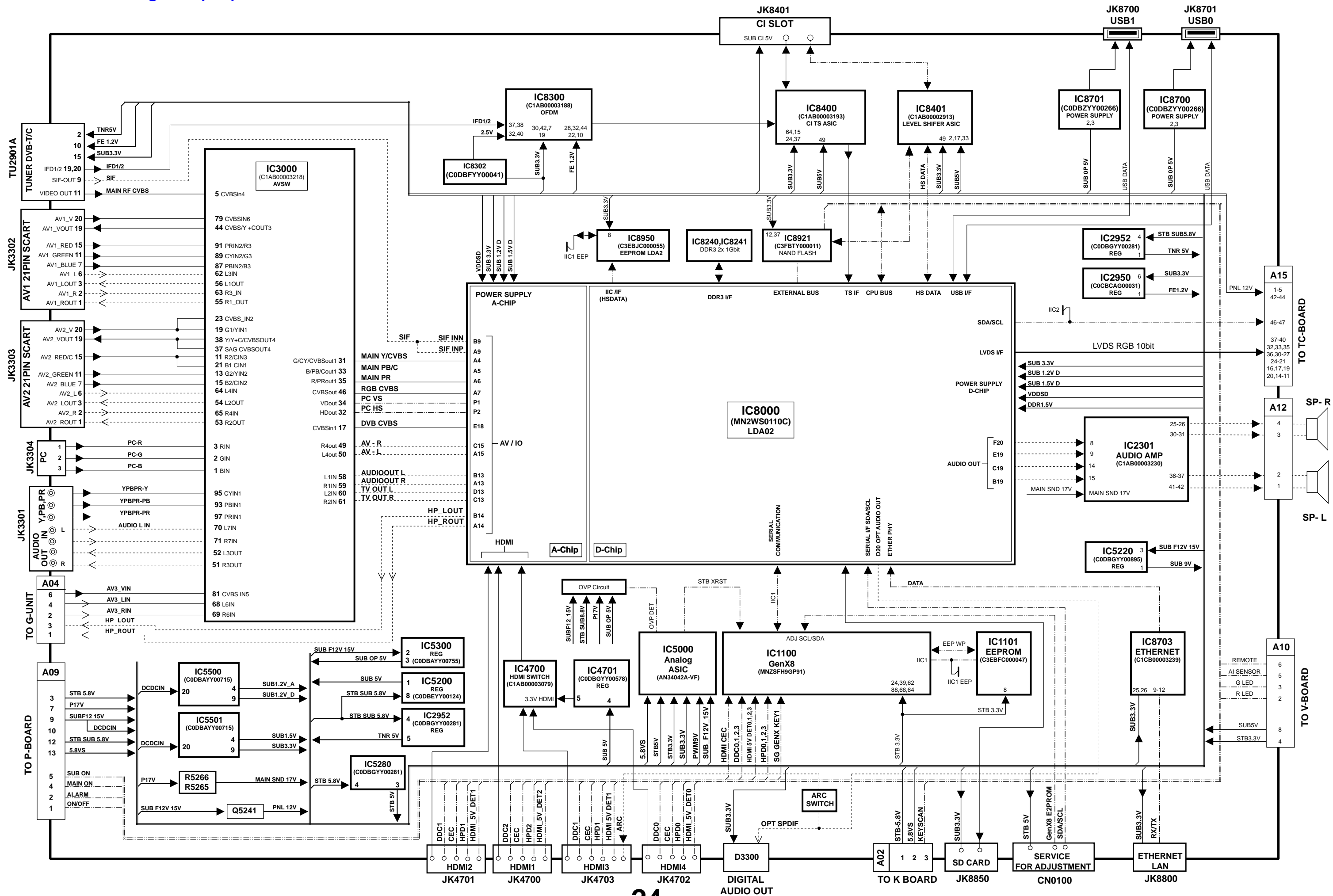
## Sub-Contrast/White Balance Adjustment

Instrument Name	Connect to	Remarks
1. Remote controller 2. LCD WB meter (Minolta CS-1000A equivalent) 3. Communication jig 4. Computer for external control		Correlation can be also taken by CA-210 or equivalent
Procedure		Remarks
<p><b>Subcontrast adjustment</b></p> <ol style="list-style-type: none"> <li>1. Receive PAL colour bar (100% white) RF signal.</li> <li>2. Enter "Contrast" adj. In SERVICE mode.</li> <li>3. Start adjusting by using Yellow Key.</li> <li>4. If the adjustment finished normally, the letter of Contrast will change from red to black</li> </ol> <p><b>White Balance adjustment</b></p> <ol style="list-style-type: none"> <li>1. Procedure basically performs checking using the production software and make automatic adjustment using external computer.</li> <li>2. It adjusts in the mode of : Colour balance Normal as follows. Viewing Mode Dynamic</li> </ol> <p>WHITE      Normal                             x: <math>0.2940 \pm 0,010</math>                             y: <math>0.3140 \pm 0,010</math></p> <p>GRAY        Normal                             x: <math>0.2940 \pm 0,010</math>                             y: <math>0.3140 \pm 0,010</math></p>		<p>Let the panel standfor more than 3 hours at more than 20 °C.            Basically perform adjustment in the ambient environment of room temperature more than 20 °C.            The aging time is more than20 min at above room temperature.</p> <p>Applied signal</p> <p>100% full colour bar            0.7V p-p white peak            87.5% modulation</p> <p>100% WHITE</p> <p>50% GRAY</p>

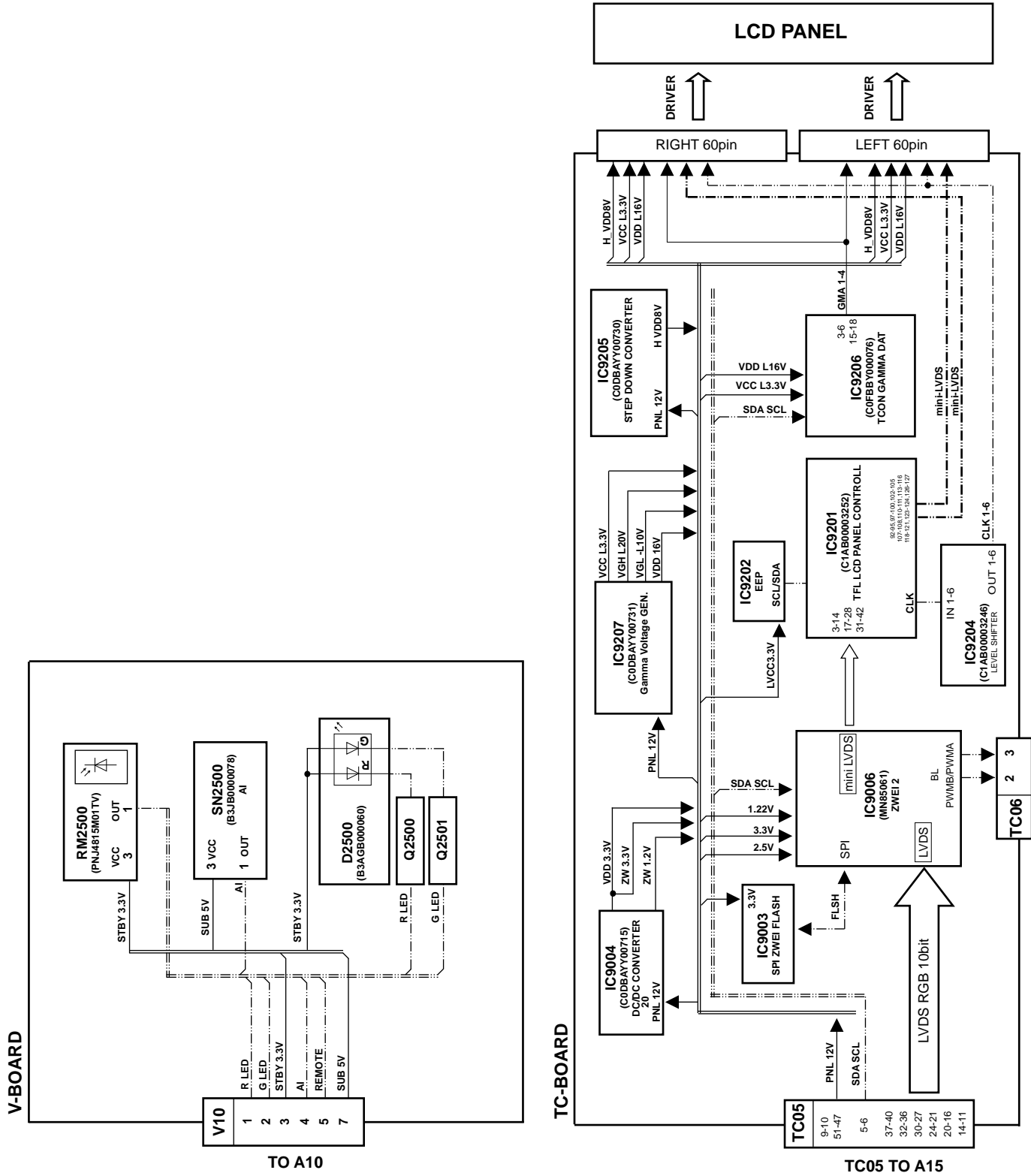
Wiring Diagram



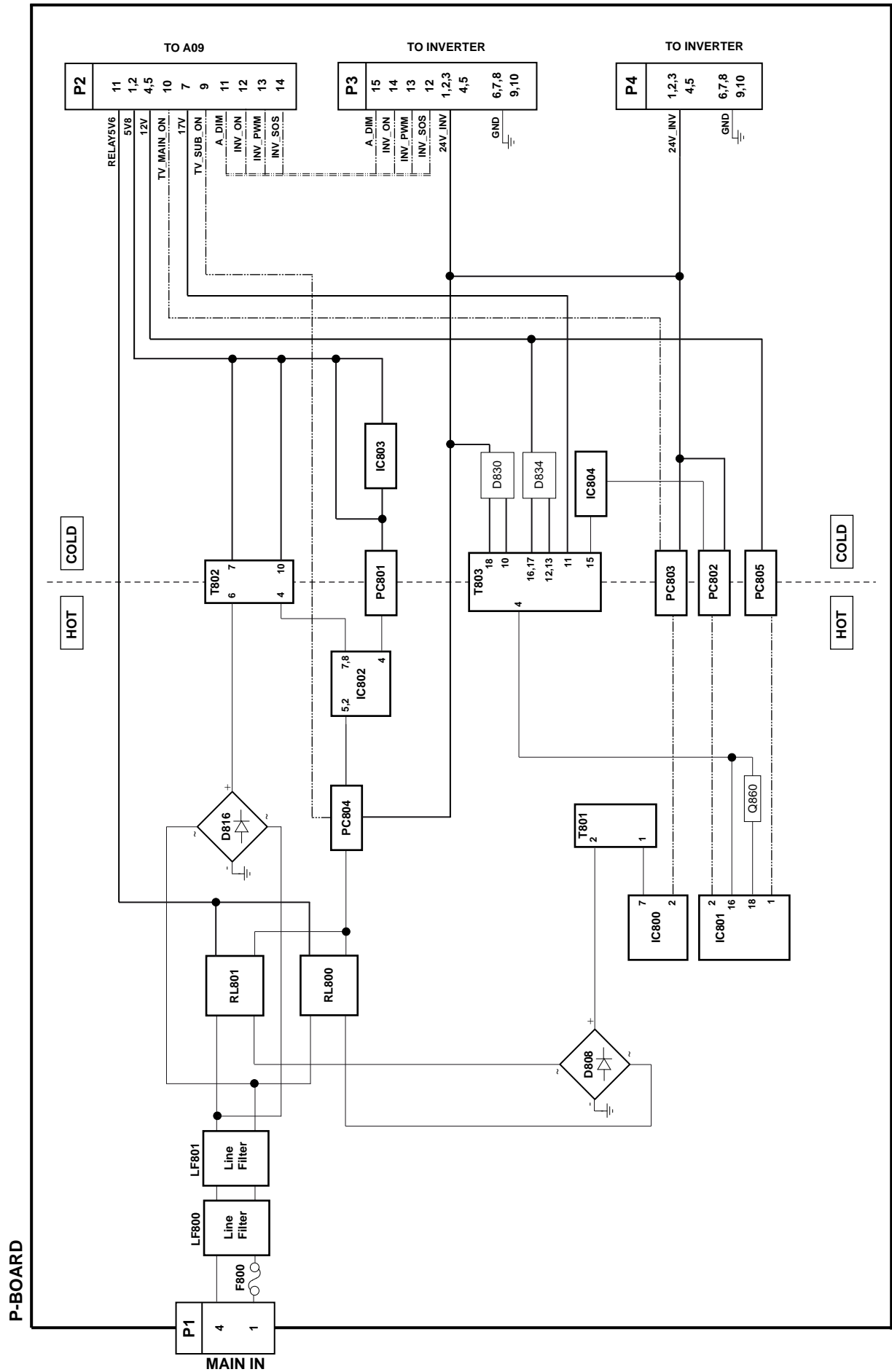
## Block Diagram (1/3)



Block Diagram (2/3)

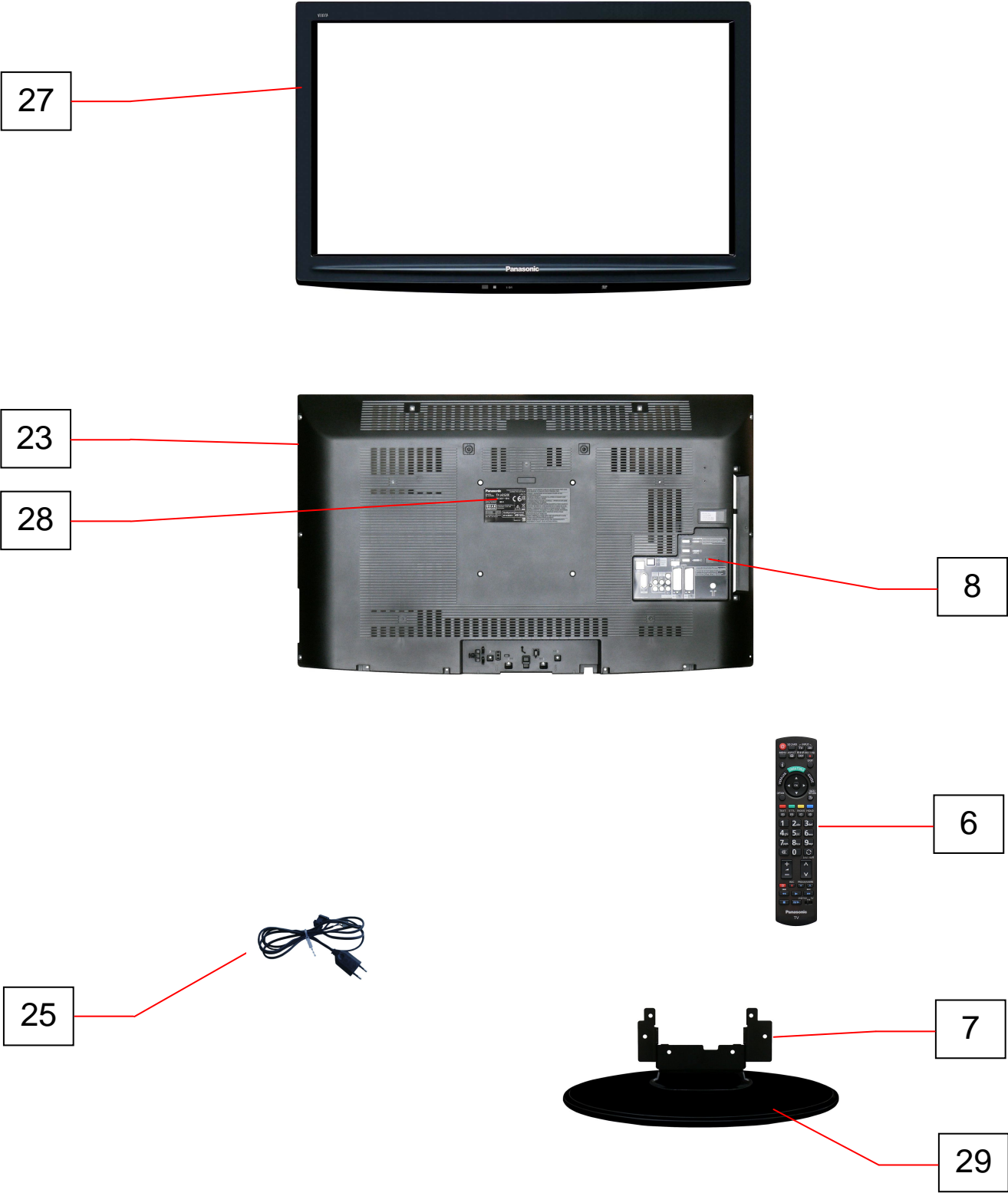


## Block Diagram (3/3)



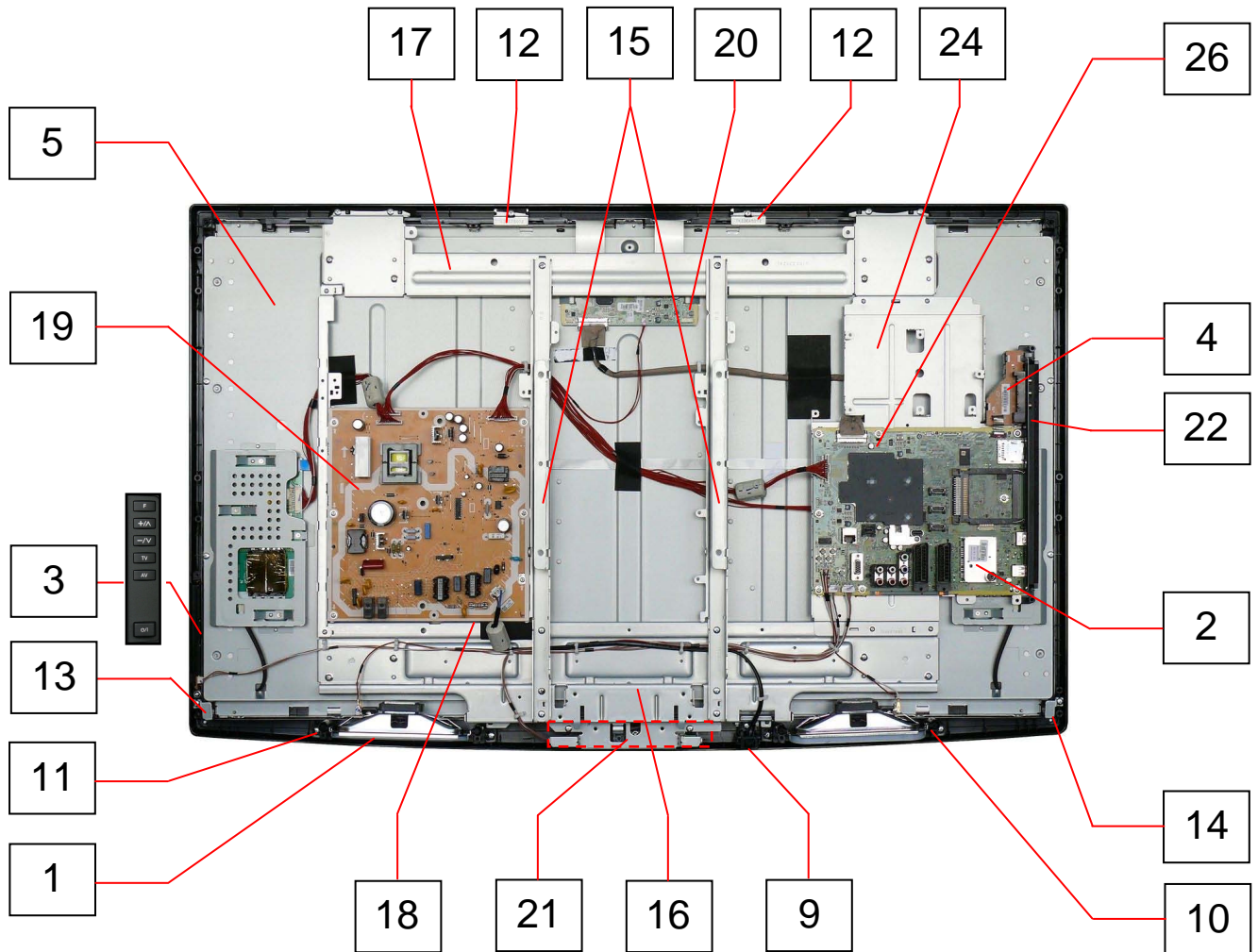
# Parts Location

**NOTE:**  
The numbers on the exploded view below refer to the exploded view section of the Replacement Parts List.



**NOTE:**


The numbers on the exploded view below refer to the exploded view section of the Replacement Parts List.





# Replacement Parts List













## Important Safety Notice


Components Identified by  mark have special characteristics important for safety.  
 \* When replacing any of these components, use only manufacturers specified parts.  
 In case of ordering these spare parts, please always add the complete Model-Type number to your order.

### RTL (Retention Time Limited)

**Note:** The marking (RTL) indicates that the Retention Time is Limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

**X** The marking (X) indicates that board should be exchanged for service.

Cct Ref	Parts Number	Description	
<b>COMMON PARTS</b>			
<b>EXPLODED VIEW</b>			
1	EAS16S795A	SPEAKER UNIT	
2	ENG37F03KF	TUNER	
3	K0RB00600015	CONTROL BUTTON UNIT	
4	K4ZZ09000014	G UNIT	
5	L5EDDAT00006	LCD PANEL	
6	N2QAYB000490	REMOTE CONTROL	
7	TBL0E0124	STAND MTG ASSY	
8	TKP0E16001	CONNECTOR COVER	
9	TKP0E39001	AC CORD BRACKET	
10	TKX0E6001	SPEAKER BRACKET L	
11	TKX0E6101	SPEAKER BRACKET R	
12	TKZ0EA5012	MASK BRACKET	
13	TKZ0EA5013	MASK BRACKET CORNER R	
14	TKZ0EA5014	MASK BRACKET CORNER L	
15	TKZ0EC5006	VERTICAL SUPPORT BRACK	
16	TKZ0EC5010-1	METAL BRACKET BOTTOM	
17	TKZ0EC5017	METAL BRACKET TOP	
18	TKZ0EG5017	P-PCB BRACKET	
19	TNP8EP103AB	P P.C.B.	RTL 
20	TNP8ETC01AA	TC P.C.B.	X RTL 
21	TNP8EV103AD	V P.C.B.	RTL 
22	TTP0E0109	SIDE AV ASSY	
23	TTU0E0683-1	BACK COVER ASSY	
24	TUA0E7800	METAL CHASSIS FRAME	
25	TXASX01QWB-3	AC CORD	
<b>MISCELLANEOUS COMPONENTS</b>			
.	R6DB/2P	BATTERY	
.	TBM0E9049-1	REAR AV LABEL	
.	TBM0E9053	SIDE AV LABEL	
.	THEJ024	SCREW	
.	THTD020J	SCREW	
.	TKP0E45701	IR/LED WINDOW	
.	TMK0EA040	FELT	
.	TMM0E420	CLAMPER	
.	TMM8E18048	TAB-RELEASE CABLE	
.	TPE0E9004	POLYBAG_PEDESTAL	
.	TPG0E9520	CARTON CAP	
.	XTB4+12JFJK	SCREW	
.	XTB4+25AFJ	SCREW	
.	XTV3+6JFJ	SCREW	
.	XTV3+8JFJK	SCREW	
.	XTW3+10TFJ	SCREW	

Cct Ref	Parts Number	Description	
.	XYN4+F12FJK	SCREW	
BOTCUS	TPD0E2125-1	BOTTOM CUSHION	
CARTON	TPC0EA00901	CARTON	
FA01	TMKK394	THERMAL PAD	
FA02	TMKK394	THERMAL PAD	
FA03	TMKK395	THERMAL PAD	
FA04	TMKK395	THERMAL PAD	
FA05	TMK0EK003	SPONGE	
TOPCUS	TPD0E1126-2	TOP CUSHION	
<b>I.C.s</b>			
IC800	C0DBBY00019	IC FOR POWER SUPPLY	
IC801	C0DABYY00017	REGULATOR	
IC802	C0DAZYY00028	IC FOR POWER SUPPLY	
IC803	C0DAEMZ00007	IC FOR POWER SUPPLY	
IC804	C0DAEMZ00007	IC FOR POWER SUPPLY	
IC1100	MNZSFH9GP92	MICRO_GENX	
IC1101	24GLP25GENX	EEPROM GENX	
IC2301	C1AB00003230	AUDIO AMPLIFIER	
IC2950	C0CBCAG00031	REGULATOR	
IC2952	C0DBGYY00281	REGULATOR	
IC3000	C1AB00003218	AUDIO VIDEO SWITCH	
IC4700	C1AB00003079	HDMI SWITCH	
IC4701	C0DBGYY00578	REGULATOR	
IC5000	AN34042A-VF	ANALOG ASIC	
IC5200	C0DBEYY00124	REGULATOR	
IC5220	C0DBGYY00895	REGULATOR	
IC5280	C0DBGYY00281	REGULATOR	
IC5300	C0DBAYY00755	REGULATOR	
IC5500	C0DBAYY00715	DC/DC CONVERTER	
IC5501	C0DBAYY00715	DC/DC CONVERTER	
IC5603	C0DBFYY00049	REGULATOR	
IC5604	C0DBGYY00578	REGULATOR	
IC8000	MN2WS0110C	IC LDA2	
IC8100	C1ZBZ0003967	CLOCK GENERATOR	
IC8240	C3ABTY000025	DDR SDRAM	
IC8241	C3ABTY000025	DDR SDRAM	
IC8300	C1AB00003188	DVB-T/C DEMODULATOR	
IC8302	C0DBFYY00041	REGULATOR	
IC8400	C1AB00003193	CI TS ASIC	
IC8401	C1AB00002913	LEVEL SHIFTER	
IC8402	C0ZBZ0001584	IC SWITCH	
IC8700	C0DBZYY00266	REGULATOR	
IC8701	C0DBZYY00266	REGULATOR	
IC8703	C1CB00003239	LAN TRANSCEIVER	
IC8921	TVRR329AJ	FLASH MEMORY	
IC9003	TVRR464	SPI FLASH MEMORY	
IC9004	C0DBAYY00715	DC/DC CONVERTER	
IC9005	C0EBM0000026	RESET IC	

Cct Ref	Parts Number	Description	
IC9006	MN85061	ZWEI2	
IC9201	C1AB00003252	TFL LCD PANEL CONTROLL	
IC9202	24TCON42G20	EEPROM PANEL	
IC9203	C0CBCAG00031	REGULATOR	
IC9204	C1AB00003246	LEVEL SHIFTER	
IC9205	C0DBAYY00730	STEP-DOWN CONVERTER	
IC9206	GAMMA42G20	TCON GAMMA DAC	
IC9207	C0DBAYY00731	GAMMA VOLTAGE GENERATO	
IC9208	C0ABEB000037	OPERATIONAL AMPLIFIER	
PC801	B3PBA0000503	PHOTO COUPLER	△
PC802	B3PBA0000503	PHOTO COUPLER	△
PC803	B3PBA0000503	PHOTO COUPLER	△
PC804	B3PBA0000503	PHOTO COUPLER	△
PC805	B3PBA0000503	PHOTO COUPLER	△
RM2500A	B3RAD0000168	LED RECEIVER	
SN2500	B3JB00000078	PHOTO IC DIODE	
<b>FUSES</b>			
F800-1	K3GE1ZA00010	FUSE HOLDER	
F800-2	K3GE1ZA00010	FUSE HOLDER	
F800	K5D502BNA007	AC FUSE	△
PA2750	K5H4022A0031	CHIP FUSE	
PA9001	ERBSE5R00U	FUSE	
R9372	ERBSE1R50U	FUSE	
<b>DIODES</b>			
D800	ERZV10V621T2	VARISTOR	△
D801	B0HCMM000014	DIODE	
D803	B0JCPE000028	DIODE	
D804	B0HCMM000014	DIODE	
D805	B0BA01900005	DIODE	
D806	B0BA02100001	DIODE	
D807	B0FAAR000013	DIODE	
D808	B0EBNT000026	DIODE	△
D809	DA2J10100L	DIODE	
D810	DA2J10100L	DIODE	
D811	DA2J10100L	DIODE	
D812	DA2J10100L	DIODE	
D813	DA2J10100L	DIODE	
D814	B0EAJV000004	DIODE	
D815	B0EAJV000004	DIODE	
D816	B0EBNT000026	DIODE	△
D818	B0AAKR000011	DIODE	
D819	B0BA4R600003	DIODE	
D821	B0BC6R700006	DIODE	
D822	DA2J10100L	DIODE	
D823	B0BA9R600002	DIODE	
D824	B0BA03600021	DIODE	
D825	B0BA9R600002	DIODE	
D826	B0HCMM000014	DIODE	
D827	B0HAGV000004	DIODE	
D828	B0JAPG000039	DIODE	
D829	B0BA9R600002	DIODE	
D830	B0JBSh000001	DIODE	
D833	B0JAPG000039	DIODE	
D834	B0JBSh000001	DIODE	
D835	DA2J10100L	DIODE	
D836	DA2J10100L	DIODE	
D837	B0BA3R100004	DIODE	
D841	B0BA01500003	DIODE	
D1100	B0JCCE000008	DIODE	
D1101	B0JCCE000008	DIODE	
D2500	B3AGB0000060	LED	
D2757	DZ2J062M0L	DIODE	
D2758	EZJZ0V120JA	VARISTOR	
D2766	DZ2J140M0L	ZENER DIODE	
D2768	DZ2J140M0L	ZENER DIODE	
D2770	B0ACCJ000048	DIODE	
D2771	B0ACCJ000048	DIODE	

Cct Ref	Parts Number	Description
D2772	B0ACCJ000048	DIODE
D2773	B0ACCJ000048	DIODE
D2774	DZ2J062M0L	DIODE
D2775	DZ2J062M0L	DIODE
D2776	B0ACCJ000048	DIODE
D2777	B0ACCJ000048	DIODE
D2778	B0ACCJ000048	DIODE
D2779	B0ACCJ000048	DIODE
D2780	DZ2J062M0L	DIODE
D3129	B0ACCJ000048	DIODE
D3130	B0ACCJ000048	DIODE
D4702	B0ACCJ000048	DIODE
D4703	DZ2J056M0L	ZENER DIODE
D4704	B0JCCE000008	DIODE
D4719	B0ACCJ000048	DIODE
D4720	DZ2J056M0L	ZENER DIODE
D4721	B0JCCE000008	DIODE
D4735	B0ACCJ000048	DIODE
D4736	DZ2J056M0L	ZENER DIODE
D4737	B0JCCE000008	DIODE
D4770	B0ACCJ000048	DIODE
D4771	DZ2J056M0L	ZENER DIODE
D4772	B0JCCE000008	DIODE
D4785	B0ECKM000048	DIODE
D5002	DZ2J033M0L	ZENER DIODE
D5050	B0ACCJ000048	DIODE
D5200	B0ACCJ000048	DIODE
D5300	B0JCPD000026	DIODE
D5420	B0BC01700015	DIODE
D5421	B0ACCJ000048	DIODE
D5422	B0BC010A0007	DIODE
D5423	B0ACCJ000048	DIODE
D5424	B0BC02400011	ZENER DIODE
D5425	B0ACCJ000048	DIODE
D5426	B0BC010A0007	DIODE
D5427	B0ACCJ000048	DIODE
D5505	B0JCPD000026	DIODE
D5605	B0HCMM000014	DIODE
D9202	B0ACCK000005	DIODE
D9203	B0ECKM000048	DIODE
D9204	B0JCPE000004	DIODE
D9205	B0JCPE000004	DIODE
D9206	B0ECKM000048	DIODE
D9211	B0HCMM000014	DIODE
D9212	B0ECKM000048	DIODE
D9213	B0ECKM000048	DIODE
<b>TRANSISTORS</b>		
Q800	B1ABNF000011	TRANSISTOR
Q801	B1CERQ000060	TRANSISTOR
Q802	DSC200100L	TRANSISTOR
Q803	B1ABNF000011	TRANSISTOR
Q804	B1CARR000001	TRANSISTOR
Q805	B1CARR000001	TRANSISTOR
Q806	B1CFHD000010	TRANSISTOR
Q807	DSC200100L	TRANSISTOR
Q2101	DSA2001S0L	TRANSISTOR
Q2252	DSA2001S0L	TRANSISTOR
Q2253	B1AAFB000002	TRANSISTOR
Q2254	B1AAFB000002	TRANSISTOR
Q2301	DSC2001S0L	TRANSISTOR
Q2500	DSC200100L	TRANSISTOR
Q2501	DSC200100L	TRANSISTOR
Q2504	DSC200100L	TRANSISTOR
Q3100	B1ABCF000231	TRANSISTOR
Q3101	B1ABCF000231	TRANSISTOR
Q3102	B1ABCF000231	TRANSISTOR
Q3103	B1ABCF000231	TRANSISTOR

Cct Ref	Parts Number	Description
Q3104	B1ABCF000231	TRANSISTOR
Q3105	B1ABCF000231	TRANSISTOR
Q4512	B1HFCFA00026	TRANSISTOR
Q4513	B1ADCE000022	TRANSISTOR
Q4700	B1ABCF000231	TRANSISTOR
Q4701	B1ABCF000231	TRANSISTOR
Q4702	B1ABCF000231	TRANSISTOR
Q4703	B1ABCF000231	TRANSISTOR
Q4704	B1ABCF000231	TRANSISTOR
Q4705	B1ABCF000231	TRANSISTOR
Q4709	B1ABCF000231	TRANSISTOR
Q4710	B1ABCF000231	TRANSISTOR
Q5053	DSC2001S0L	TRANSISTOR
Q5054	B1ADCE000022	TRANSISTOR
Q5055	B1ADCE000022	TRANSISTOR
Q5240	DSC200100L	TRANSISTOR
Q5241	B1CHRE000005	TRANSISTOR
Q5500	B1MBDDA00003	TRANSISTOR
Q5501	B1CFRD000048	TRANSISTOR
Q5502	B1MBDDA00003	TRANSISTOR
Q5503	B1MBEDA00015	TRANSISTOR
Q5504	B1CFRD000048	TRANSISTOR
Q8400	DSC200100L	TRANSISTOR
Q8401	DSC200100L	TRANSISTOR
Q9001	B1ABCF000231	TRANSISTOR
Q9003	B1ABCF000231	TRANSISTOR
Q9007	B1ADCE000022	TRANSISTOR
Q9008	B1MBDDA00003	TRANSISTOR
Q9009	B1MBEDA00015	TRANSISTOR
Q9201	B1ABMD000006	TRANSISTOR
Q9202	B1DHCD000023	TRANSISTOR
Q9203	B1BDCF000021	TRANSISTOR
Q9204	B1ABNF000006	TRANSISTOR
Q9205	B1ABNF000006	TRANSISTOR
Q9206	B1ADNF000006	TRANSISTOR
Q9207	B1ADNF000006	TRANSISTOR
Q9208	B1ADCF000190	TRANSISTOR
<b>TRANSFORMERS</b>		
T801	ETS26AZ169AD	TRANSFORMER
T802	ETS19AB2G6AG	TRANSFORMER
T803	ETS40LE116AD	TRANSFORMER
<b>COILS</b>		
L800	EXCELSA35T	COIL
L801	EXCELSA35V	COIL
L802	EXCELSA39V	COIL
L803	EXCELSA35V	COIL
L804	EXCELSA35T	COIL
L1101	J0JYC0000068	CHIP INDUCTOR
L2301	J0JHC0000042	CHIP INDUCTOR
L2303	G1C220MA0416	SMD INDUCTOR
L2304	G1C220MA0416	SMD INDUCTOR
L2305	G1C220MA0416	SMD INDUCTOR
L2306	G1C220MA0416	SMD INDUCTOR
L2310	J0JHC0000078	COIL
L2311	J0JHC0000078	COIL
L2312	J0JHC0000078	COIL
L2313	J0JHC0000078	COIL
L2900	J0JCC0000278	CHIP INDUCTOR
L2901	J0JCC0000278	CHIP INDUCTOR
L2904	J0JCC0000278	CHIP INDUCTOR
L2905	J0JHC0000046	COIL
L2906	J0JCC0000278	CHIP INDUCTOR
L2950	J0JHC0000045	COIL BLM18PG121SN1D
L3104	J0JCC0000287	COIL
L3107	J0JCC0000287	COIL
L3108	J0JCC0000287	COIL
L3109	J0JCC0000287	COIL

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Cct Ref	Parts Number	Description
L3110	J0JCC0000287	COIL
L3111	J0JCC0000287	COIL
L3112	J0JCC0000287	COIL
L3113	J0JCC0000287	COIL
L3114	J0JCC0000287	COIL
L3115	J0JCC0000287	COIL
L3116	J0JCC0000287	COIL
L3117	J0JCC0000287	COIL
L3118	J0JCC0000287	COIL
L3119	J0JCC0000287	COIL
L3120	J0JCC0000287	COIL
L4700	J0JYC0000068	CHIP INDUCTOR
L4701	J0JYC0000068	CHIP INDUCTOR
L4702	J0JYC0000068	CHIP INDUCTOR
L4703	J0JYC0000068	CHIP INDUCTOR
L4704	J0JYC0000068	CHIP INDUCTOR
L4705	J0JYC0000068	CHIP INDUCTOR
L4706	J0JYC0000068	CHIP INDUCTOR
L4707	J0JYC0000068	CHIP INDUCTOR
L4708	J0JYC0000068	CHIP INDUCTOR
L4712	J0JHC0000045	COIL BLM18PG121SN1D
L4715	J0JYC0000068	CHIP INDUCTOR
L4716	J0JYC0000068	CHIP INDUCTOR
L4717	J0JYC0000068	CHIP INDUCTOR
L5000	J0JYC0000068	CHIP INDUCTOR
L5001	J0JYC0000068	CHIP INDUCTOR
L5300	G1C6R8MA0416	COIL
L5500	G1C2R2M00022	COIL
L5501	G1C3R3Z00005	COIL
L5502	G1C2R2Z00007	COIL
L5503	G1C3R3Z00004	COIL
L5504	G1C100MA0077	COIL
L5505	G1C100MA0077	COIL
L5608	J0JHC0000045	COIL BLM18PG121SN1D
L8000	J0JCC0000287	COIL
L8001	J0JCC0000287	COIL
L8002	J0JCC0000287	COIL
L8003	J0JHC0000045	COIL BLM18PG121SN1D
L8004	J0JKC0000021	COIL
L8005	J0JKC0000021	COIL
L8006	J0JCC0000287	COIL
L8007	J0JHC0000045	COIL BLM18PG121SN1D
L8008	J0JCC0000287	COIL
L8009	J0JHC0000045	COIL BLM18PG121SN1D
L8010	J0JCC0000287	COIL
L8011	J0JHC0000116	COIL
L8012	J0JCC0000287	COIL
L8013	J0JCC0000287	COIL
L8014	J0JCC0000287	COIL
L8015	J0JHC0000116	COIL
L8016	J0JHC0000116	COIL
L8017	J0JHC0000045	COIL BLM18PG121SN1D
L8018	J0JHC0000045	COIL BLM18PG121SN1D
L8019	J0JHC0000045	COIL BLM18PG121SN1D
L8020	J0JCC0000287	COIL
L8021	J0JCC0000287	COIL
L8022	J0JHC0000045	COIL BLM18PG121SN1D
L8023	J0JHC0000045	COIL BLM18PG121SN1D
L8024	J0JCC0000287	COIL
L8100	J0JHC0000045	COIL BLM18PG121SN1D
L8102	J0JYC0000065	COIL
L8103	J0JYC0000065	COIL
L8104	J0JBC0000116	COIL
L8300	J0JHC0000045	COIL BLM18PG121SN1D
L8302	J0JHC0000045	COIL BLM18PG121SN1D
L8303	J0JHC0000045	COIL BLM18PG121SN1D
L8304	J0JHC0000045	COIL BLM18PG121SN1D
L8400	J0JHC0000045	COIL BLM18PG121SN1D

Cct Ref	Parts Number	Description
L8401	J0JHC0000045	COIL BLM18PG121SN1D
L8701	J0JHC0000045	COIL BLM18PG121SN1D
L8702	J0JHC0000045	COIL BLM18PG121SN1D
L8705	J0JHC0000045	COIL BLM18PG121SN1D
L8706	J0JHC0000045	COIL BLM18PG121SN1D
L8707	J0JHC0000045	COIL BLM18PG121SN1D
L8708	J0JHC0000045	COIL BLM18PG121SN1D
L8850	J0JHC0000045	COIL BLM18PG121SN1D
L8920	J0JHC0000075	COIL BLM21PG600SN1D
L8921	J0JHC0000045	COIL BLM18PG121SN1D
L9001	G1C100MA0072	COIL
L9003	J0JHC0000045	COIL BLM18PG121SN1D
L9004	J0JHC0000046	COIL
L9005	J0JHC0000045	COIL BLM18PG121SN1D
L9006	J0JHC0000046	COIL
L9007	J0JYC0000068	CHIP INDUCTOR
L9008	J0JHC0000045	COIL BLM18PG121SN1D
L9009	J0JHC0000045	COIL BLM18PG121SN1D
L9010	J0JHC0000045	COIL BLM18PG121SN1D
L9011	J0JHC0000045	COIL BLM18PG121SN1D
L9012	J0JHC0000045	COIL BLM18PG121SN1D
L9013	G1C3R3Z00004	COIL
L9014	G1C2R2Z00006	SMD INDUCTOR
L9015	G1C100MA0077	COIL
L9016	J0JHC0000075	COIL BLM21PG600SN1D
L9201	J0JHC0000046	COIL
L9202	G1C6R8MA0416	COIL
L9203	G1C220MA0234	COIL
L9204	G1C220MA0234	COIL
<b>FILTERS</b>		
FL4800	EXC28CE201U	FILTER
FL4801	EXC28CE201U	FILTER
FL4802	EXC28CE201U	FILTER
FL4804	EXC28CE201U	FILTER
FL4805	EXC28CE201U	FILTER
FL4806	EXC28CE201U	FILTER
FL8701	EXC24CE900U	FILTER
FL8702	EXC24CE900U	FILTER
FL9001	EXC28CE900U	FILTER
FL9002	EXC28CE900U	FILTER
FL9003	EXC28CE900U	FILTER
FL9004	EXC28CE900U	FILTER
FL9005	EXC28CE900U	FILTER
FL9006	EXC28CE900U	FILTER
FL9007	EXC28CE900U	FILTER
FL9008	EXC28CE900U	FILTER
LF800	ELF18N010B	LINE FILTER
LF801	ELF18N010B	LINE FILTER
S806	J0LF00000025	FILTER
<b>CRYSTALS</b>		
X1101	H0J100500035	CRYSTAL
X8002	H0J245500101	CRYSTAL
X8100	H0J270500120	CRYSTAL
X8300	H0J410500001	CRYSTAL
X9001	H0J270500113	CRYSTAL
X9201	H2D100500004	CRYSTAL
<b>RESISTORS</b>		
CF800	D4CAY8R00003	NTC THER - - 8 Ω
JS1001	D0GAR00Z0001	SMD .063W - 0 Ω
JS1012	D0GAR00Z0001	SMD .063W - 0 Ω
JS8360	D0GAR00Z0001	SMD .063W - 0 Ω
JS8361	D0GAR00Z0001	SMD .063W - 0 Ω
JS8362	D0GAR00Z0001	SMD .063W - 0 Ω
JS8363	D0GAR00Z0001	SMD .063W - 0 Ω
JS8364	D0GAR00Z0001	SMD .063W - 0 Ω
JS8365	D0GAR00Z0001	SMD .063W - 0 Ω
JS8366	D0GAR00Z0001	SMD .063W - 0 Ω

Cct Ref	Parts Number	Description
JS8367	D0GAR00Z0001	SMD .063W - 0 Ω
JS8368	D0GAR00Z0001	SMD .063W - 0 Ω
JS8369	D0GAR00Z0001	SMD .063W - 0 Ω
JS8370	D0GAR00Z0001	SMD .063W - 0 Ω
R800	ERC12ZGK105V	CARBON 0.5W 10% 1M Ω
R801	ERJ6ENF8202V	SMD .125W 1% 82K Ω
R802	ERJ6GEYJ683	S.M.CARB 0.1W 5% 68K Ω
R803	ERJ6ENF1003V	SMD 0.1W 1% 100K Ω
R804	D0BF101JA032	FIXED RE 0.5W 5% 100 Ω
R805	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100K Ω
R806	ERJ6GEYJ470	S.M.CARB 0.1W 5% 47 Ω
R807	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2 Ω
R808	ERJ6GEYJ271	S.M.CARB 0.1W 5% 270 Ω
R809	ERJ6GEYJ150	S.M.CARB 0.1W 5% 15 Ω
R810	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47K Ω
R811	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47K Ω
R812	ERJ6GEYJ561	S.M.CARB 0.1W 5% 560 Ω
R813	D0GD103JA036	SMD .125W 5% 10K Ω
R816	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7 Ω
R817	ERJ6ENF1303V	SMD .125W 1% 130K Ω
R818	ERJ6ENF1303V	SMD .125W 1% 130K Ω
R819	ERJ6ENF1303V	SMD .125W 1% 130K Ω
R820	ERJ6ENF1303V	SMD .125W 1% 130K Ω
R821	ERJ6ENF1303V	SMD .125W 1% 130K Ω
R822	ERJ6ENF1303V	SMD .125W 1% 130K Ω
R823	ERJ6ENF1303V	SMD .125W 1% 130K Ω
R824	ERJ6ENF1303V	SMD .125W 1% 130K Ω
R825	ERJ6ENF1303V	SMD .125W 1% 130K Ω
R826	ERJ6RBD752	SMD 0.1W 0.5 7K5 Ω
R827	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47K Ω
R828	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7 Ω
R829	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47K Ω
R830	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47K Ω
R831	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2 Ω
R832	ERJ6RBD912V	SMD 0.1W 0.5 9K1 Ω
R833	ERJ6RBD622V	SMD 0.1W 0.5 6K2 Ω
R834	ERF2AJ100P	FIXED 2W 5% 10 Ω
R835	ERJ6GEYJ333	S.M.CARB 0.1W 5% 33K Ω
R837	ERJ12YJ514U	SMD 0.5W 5% 510K Ω
R838	ERJ12YJ514U	SMD 0.5W 5% 510K Ω
R839	ERJ6GEYJ623	S.M.CARB 0.1W 5% 62K Ω
R840	ERJ6ENF11R3V	SMD .125W 1% 11R3 Ω
R841	ERJ6ENF10R0V	SMD .125W 1% 10 Ω
R842	D0D21R8KA003	FIXED RE 2W 10% 1R8 Ω
R843	ERJ6GEYJ564	S.M.CARB 0.1W 5% 560K Ω
R844	ERJ8GEYJ220V	SMD 0.25W 5% 22 Ω
R845	ERJ8GEYJ220V	SMD 0.25W 5% 22 Ω
R846	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K Ω
R847	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K Ω
R848	ERJ12YJ100U	SMD 0.5W 5% 10 Ω
R849	ERX2FJR47H	METAL 2W 5% R47 Ω
R850	ERJ12YJ513U	SMD 0.5W 5% 51K Ω
R851	ERX2FJR47H	METAL 2W 5% R47 Ω
R854	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47K Ω
R855	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47K Ω
R856	D0XB106J0003	RESISTOR 1W 5% 10M Ω
R857	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2 Ω
R858	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330 Ω
R859	ERJ6GEYJ114	S.M.CARB 0.1W 5% 110K Ω
R860	D0GD102JA036	SMD .125W 5% 1K Ω
R861	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22K Ω
R862	ERJ12YJ102U	SMD 0.5W 5% 1K Ω
R863	ERJ6RBD332V	SMD 0.1W 0.5 3K3 Ω
R864	ERJ6RBD562V	SMD 0.1W 0.5 5K6 Ω
R865	ERJ6ENF6801	S.M.CARB 0.1W 1% 6K8 Ω
R867	D0GDR00Z0002	SMD .125W - 0 Ω
R868	ERJ6GEYJ393	S.M.CARB 0.1W 5% 39K Ω
R869	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22K Ω

Cct Ref	Parts Number	Description			
R870	D0GD103JA036	SMD	.125W	5%	10K Ω
R871	ERJ6RBD122	SMD	0.1W	0.5	1K2 Ω
R872	ERJ6RBD203V	SMD	0.1W	0.5	20K Ω
R873	ERJ6RBD242V	SMD	0.1W	0.5	2K4 Ω
R874	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω
R875	ERJ12YJ272U	SMD	0.5W	5%	2K7 Ω
R876	ERJ12YJ272U	SMD	0.5W	5%	2K7 Ω
R877	ERJ12YJ272U	SMD	0.5W	5%	2K7 Ω
R878	ERJ12YJ272U	SMD	0.5W	5%	2K7 Ω
R879	ERJ12YJ272U	SMD	0.5W	5%	2K7 Ω
R880	ERJ12YJ514U	SMD	0.5W	5%	510K Ω
R881	ERJ12YJ514U	SMD	0.5W	5%	510K Ω
R882	ERJ12YJ513U	SMD	0.5W	5%	51K Ω
R883	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R884	ERJ12YJ101U	SMD	0.5W	5%	100 Ω
R885	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R0900	D0GA680JA015	SMD	.063W	5%	68 Ω
R0901	D0GA680JA015	SMD	.063W	5%	68 Ω
R0902	EXB28V680JX	SMD	.031W	5%	68 Ω
R0903	D0GA680JA015	SMD	.063W	5%	68 Ω
R0904	EXB28V103JX	SMD	.031W	5%	10K Ω
R0907	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R0910	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R0940	D0GA680JA015	SMD	.063W	5%	68 Ω
R0941	D0GA680JA015	SMD	.063W	5%	68 Ω
R0942	D0GA680JA015	SMD	.063W	5%	68 Ω
R0943	D0GA680JA015	SMD	.063W	5%	68 Ω
R0944	D0GA680JA015	SMD	.063W	5%	68 Ω
R0945	D0GA680JA015	SMD	.063W	5%	68 Ω
R0946	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0947	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0948	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R0949	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R0952	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0953	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0958	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0959	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0966	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R0967	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R0972	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0973	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0976	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0977	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0978	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0979	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0980	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R0981	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R0982	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0983	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0984	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R0985	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R0986	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0987	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R1110	D0GA821JA015	SMD	.063W	5%	820 Ω
R1178	D0GA331JA015	SMD	.063W	5%	330 Ω
R1180	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R1183	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R1187	D0GA273JA015	SMD	.063W	5%	27K Ω
R1189	D1BB7151A055	SMD	0.1W	1%	7K15 Ω
R1191	D0GA473JA015	SMD	.063W	5%	47K Ω
R1224	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R1225	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R1237	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R1243	D0GA473JA015	SMD	.063W	5%	47K Ω
R1502	D0GA473JA015	SMD	.063W	5%	47K Ω
R1504	D0GA473JA015	SMD	.063W	5%	47K Ω
R1506	D0GA473JA015	SMD	.063W	5%	47K Ω
R1514	D0GA182JA015	SMD	.063W	5%	1K8 Ω

Cct Ref	Parts Number	Description			
R1515	D0GA473JA015	SMD	.063W	5%	47K Ω
R1516	D0GA473JA015	SMD	.063W	5%	47K Ω
R1520	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R1521	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R1568	D0GA683JA015	SMD	.063W	5%	68K Ω
R1569	D0GA223JA015	SMD	.063W	5%	22K Ω
R2053	D1BB1403A055	SMD	0.1W	1%	140K Ω
R2055	D1BB1403A055	SMD	0.1W	1%	140K Ω
R2069	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2070	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2101	D0GA332JA015	SMD	.063W	5%	3K3 Ω
R2102	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R2107	D0GAR00Z0001	SMD	.063W	-	0 Ω
R2135	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R2139	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R2140	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R2254	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R2255	D0GA473JA015	SMD	.063W	5%	47K Ω
R2256	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2257	D0GA105JA015	SMD	.063W	5%	1M Ω
R2258	D0GA101JA015	SMD	.063W	5%	100 Ω
R2259	D0GA101JA015	SMD	.063W	5%	100 Ω
R2301	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2302	EXB28V220JX	SMD	.031W	5%	22 Ω
R2303	D0GA100JA015	SMD	.063W	5%	10 Ω
R2304	D0GA100JA015	SMD	.063W	5%	10 Ω
R2305	D0GA100JA015	SMD	.063W	5%	10 Ω
R2310	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2331	D0GA473JA015	SMD	.063W	5%	47K Ω
R2340	D0GA473JA015	SMD	.063W	5%	47K Ω
R2341	D0GA473JA015	SMD	.063W	5%	47K Ω
R2342	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2500	D1BA6800A014	SMD	.063W	1%	680 Ω
R2502	D0GA473JA015	SMD	.063W	5%	47K Ω
R2504	D0GA223JA015	SMD	.063W	5%	22K Ω
R2507	D0GA473JA015	SMD	.063W	5%	47K Ω
R2508	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2509	D1BA1821A014	SMD	.063W	1%	1K82 Ω
R2512	D0GA470JA015	SMD	.063W	5%	47 Ω
R2514	D0GA562JA015	SMD	.063W	5%	5K6 Ω
R2515	D0GA124JA015	SMD	.063W	5%	120K Ω
R2516	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R2517	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R2518	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2529	D0GA332JA015	SMD	.063W	5%	3K3 Ω
R2530	D0GA332JA015	SMD	.063W	5%	3K3 Ω
R2532	D0GAR00Z0001	SMD	.063W	-	0 Ω
R2543	D0GAR00Z0001	SMD	.063W	-	0 Ω
R2751	ERJ6GEY0R00	S.M.CARB	0.1W	-	0 Ω
R2752	ERJ6GEY0R00	S.M.CARB	0.1W	-	0 Ω
R2753	D0GAR00Z0001	SMD	.063W	-	0 Ω
R2754	D0GAR00Z0001	SMD	.063W	-	0 Ω
R2755	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R2756	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R2764	D0GA473JA015	SMD	.063W	5%	47K Ω
R2765	ERJ6GEY0R00	S.M.CARB	0.1W	-	0 Ω
R2767	ERJ6GEY0R00	S.M.CARB	0.1W	-	0 Ω
R2768	ERJ6GEY0R00	S.M.CARB	0.1W	-	0 Ω
R2786	D0GA101JA015	SMD	.063W	5%	100 Ω
R2795	D0GA101JA015	SMD	.063W	5%	100 Ω
R2907	D0GAR00Z0001	SMD	.063W	-	0 Ω
R2914	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2926	D0GA680JA015	SMD	.063W	5%	68 Ω
R2960	D0GA153JA015	SMD	.063W	5%	15K Ω
R3003	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3006	D0GA680JA015	SMD	.063W	5%	68 Ω
R3007	D0GA680JA015	SMD	.063W	5%	68 Ω
R3012	ERJ2GEJ221X	SMD	.063W	5%	220 Ω

Cct Ref	Parts Number	Description			
R3013	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3101	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R3102	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R3103	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3104	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3105	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3108	D0GA101JA015	SMD	.063W	5%	100 Ω
R3109	ERJ8ENF75R0	SMD	0.25W	1%	75 Ω
R3117	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3120	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3121	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3123	D0GA680JA015	SMD	.063W	5%	68 Ω
R3124	D0GA680JA015	SMD	.063W	5%	68 Ω
R3125	D0GA680JA015	SMD	.063W	5%	68 Ω
R3126	D0GA680JA015	SMD	.063W	5%	68 Ω
R3127	D0GA680JA015	SMD	.063W	5%	68 Ω
R3128	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3129	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3130	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3137	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3138	ERJ8ENF75R0	SMD	0.25W	1%	75 Ω
R3139	ERJ8ENF75R0	SMD	0.25W	1%	75 Ω
R3140	ERJ8ENF75R0	SMD	0.25W	1%	75 Ω
R3141	ERJ8ENF75R0	SMD	0.25W	1%	75 Ω
R3142	ERJ8ENF75R0	SMD	0.25W	1%	75 Ω
R3143	ERJ8ENF75R0	SMD	0.25W	1%	75 Ω
R3145	ERJ8ENF75R0	SMD	0.25W	1%	75 Ω
R3147	ERJ8ENF75R0	SMD	0.25W	1%	75 Ω
R3150	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3151	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3152	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3153	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3154	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3155	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3156	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3157	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3158	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3159	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3161	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3162	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3163	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3164	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3165	D0GA333JA015	SMD	.063W	5%	33K Ω
R3166	D0GA333JA015	SMD	.063W	5%	33K Ω
R3167	D0GA333JA015	SMD	.063W	5%	33K Ω
R3168	D0GA333JA015	SMD	.063W	5%	33K Ω
R3169	D0GA101JA015	SMD	.063W	5%	100 Ω
R3170	D0GA101JA015	SMD	.063W	5%	100 Ω
R3171	D0GA101JA015	SMD	.063W	5%	100 Ω
R3172	D0GA101JA015	SMD	.063W	5%	100 Ω
R3173	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3174	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3175	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3176	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3177	D0GA331JA015	SMD	.063W	5%	330 Ω
R3178	D0GA331JA015	SMD	.063W	5%	330 Ω
R3179	D0GA331JA015	SMD	.063W	5%	330 Ω
R3180	D0GA331JA015	SMD	.063W	5%	330 Ω
R3181	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3182	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3183	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3184	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3185	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3186	D0GA333JA015	SMD	.063W	5%	33K Ω
R3187	D0GA333JA015	SMD	.063W	5%	33K Ω
R3188	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3189	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3190	D0GA101JA015	SMD	.063W	5%	100 Ω

Cct Ref	Parts Number	Description			
R3191	D0GA101JA015	SMD	.063W	5%	100 Ω
R3192	D0GA820JA015	SMD	.063W	5%	82 Ω
R3193	D0GA820JA015	SMD	.063W	5%	82 Ω
R3194	D0GA331JA015	SMD	.063W	5%	330 Ω
R3195	D0GA331JA015	SMD	.063W	5%	330 Ω
R3196	D0GA820JA015	SMD	.063W	5%	82 Ω
R3197	D0GA680JA015	SMD	.063W	5%	68 Ω
R3198	D0GA680JA015	SMD	.063W	5%	68 Ω
R3201	ERJ8ENF75R0	SMD	0.25W	1%	75 Ω
R3202	ERJ8ENF75R0	SMD	0.25W	1%	75 Ω
R3203	D1BA2152A014	SMD	.063W	1%	21K5 Ω
R3204	D1BA2152A014	SMD	.063W	1%	21K5 Ω
R3205	D1BA1302A014	SMD	.063W	1%	13K Ω
R3206	D1BA1302A014	SMD	.063W	1%	13K Ω
R3207	D0GA273JA015	SMD	.063W	5%	27K Ω
R3208	D0GA273JA015	SMD	.063W	5%	27K Ω
R3209	D0GA680JA015	SMD	.063W	5%	68 Ω
R3212	D0GA680JA015	SMD	.063W	5%	68 Ω
R3240	D0GA333JA015	SMD	.063W	5%	33K Ω
R3241	D0GA333JA015	SMD	.063W	5%	33K Ω
R3990	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R3991	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4208	D0GA473JA015	SMD	.063W	5%	47K Ω
R4210	D0GA473JA015	SMD	.063W	5%	47K Ω
R4548	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R4549	D0GA151JA015	SMD	.063W	5%	150 Ω
R4550	D0GA151JA015	SMD	.063W	5%	150 Ω
R4551	D0GA151JA015	SMD	.063W	5%	150 Ω
R4552	D0GA560JA015	SMD	.063W	5%	56 Ω
R4553	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4554	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4556	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4557	D0GAR00Z0001	SMD	.063W	-	0 Ω
R4560	D0GA473JA015	SMD	.063W	5%	47K Ω
R4651	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R4655	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R4659	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R4663	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R4666	D0GA330JA015	SMD	.063W	5%	33 Ω
R4668	D0GA330JA015	SMD	.063W	5%	33 Ω
R4670	D0GA330JA015	SMD	.063W	5%	33 Ω
R4672	D0GA330JA015	SMD	.063W	5%	33 Ω
R4676	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4677	D0GA122JA015	SMD	.063W	5%	1K2 Ω
R4702	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4703	D0GA330JA015	SMD	.063W	5%	33 Ω
R4704	D0GA473JA015	SMD	.063W	5%	47K Ω
R4706	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4707	D0GA473JA015	SMD	.063W	5%	47K Ω
R4708	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4709	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4710	D0GA473JA015	SMD	.063W	5%	47K Ω
R4711	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4712	D0GA473JA015	SMD	.063W	5%	47K Ω
R4715	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4716	D0GA330JA015	SMD	.063W	5%	33 Ω
R4717	D0GA473JA015	SMD	.063W	5%	47K Ω
R4719	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4720	D0GA473JA015	SMD	.063W	5%	47K Ω
R4721	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4722	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4723	D0GA473JA015	SMD	.063W	5%	47K Ω
R4724	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4725	D0GA473JA015	SMD	.063W	5%	47K Ω
R4728	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4729	D0GA330JA015	SMD	.063W	5%	33 Ω
R4730	D0GA473JA015	SMD	.063W	5%	47K Ω
R4732	ERJ2GEJ103X	SMD	.063W	5%	10K Ω

Cct Ref	Parts Number	Description			
R4733	D0GA473JA015	SMD	.063W	5%	47K Ω
R4734	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4735	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4736	D0GA473JA015	SMD	.063W	5%	47K Ω
R4737	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4738	D0GA473JA015	SMD	.063W	5%	47K Ω
R4739	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R4740	D0GA680JA015	SMD	.063W	5%	68 Ω
R4741	D0GA680JA015	SMD	.063W	5%	68 Ω
R4742	D0GA680JA015	SMD	.063W	5%	68 Ω
R4743	D0GA680JA015	SMD	.063W	5%	68 Ω
R4744	D0GA680JA015	SMD	.063W	5%	68 Ω
R4745	D0GA680JA015	SMD	.063W	5%	68 Ω
R4746	D0GA680JA015	SMD	.063W	5%	68 Ω
R4747	D0GA680JA015	SMD	.063W	5%	68 Ω
R4748	D0GA680JA015	SMD	.063W	5%	68 Ω
R4749	D0GA680JA015	SMD	.063W	5%	68 Ω
R4750	D0GA680JA015	SMD	.063W	5%	68 Ω
R4751	D0GA680JA015	SMD	.063W	5%	68 Ω
R4760	D0GA680JA015	SMD	.063W	5%	68 Ω
R4761	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R4762	D0GA680JA015	SMD	.063W	5%	68 Ω
R4763	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R4764	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R4765	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R4766	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R4767	D1BB4701A055	SMD	0.1W	1%	4K7 Ω
R4768	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4769	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4770	D0GA473JA015	SMD	.063W	5%	47K Ω
R4771	D1BA1001A014	SMD	.063W	1%	1K Ω
R4772	D1BA1001A014	SMD	.063W	1%	1K Ω
R4776	D0GA680JA015	SMD	.063W	5%	68 Ω
R4777	D0GA680JA015	SMD	.063W	5%	68 Ω
R4780	D0GA473JA015	SMD	.063W	5%	47K Ω
R4783	D0GA152JA015	SMD	.063W	5%	1K5 Ω
R4784	D0GA152JA015	SMD	.063W	5%	1K5 Ω
R4788	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4789	D0GA330JA015	SMD	.063W	5%	33 Ω
R4790	D0GA473JA015	SMD	.063W	5%	47K Ω
R4792	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4793	D0GA473JA015	SMD	.063W	5%	47K Ω
R4794	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4795	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4796	D0GA473JA015	SMD	.063W	5%	47K Ω
R4797	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4798	D0GA473JA015	SMD	.063W	5%	47K Ω
R4967	D0GA473JA015	SMD	.063W	5%	47K Ω
R5002	D0GA683JA015	SMD	.063W	5%	68K Ω
R5003	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5004	D0GA563JA015	SMD	.063W	5%	56K Ω
R5005	D0GA680JA015	SMD	.063W	5%	68 Ω
R5006	D0GA223JA015	SMD	.063W	5%	22K Ω
R5007	D0GA223JA015	SMD	.063W	5%	22K Ω
R5008	D0GA203JA015	SMD	.063W	5%	20K Ω
R5009	D1BA5602A014	SMD	.063W	1%	56K Ω
R5012	D1BA2202A014	SMD	.063W	1%	22K Ω
R5013	D0GA473JA015	SMD	.063W	5%	47K Ω
R5015	D0GAR00Z0001	SMD	.063W	-	0 Ω
R5017	D0GAR00Z0001	SMD	.063W	-	0 Ω
R5018	D0GAR00Z0001	SMD	.063W	-	0 Ω
R5019	D0GAR00Z0001	SMD	.063W	-	0 Ω
R5020	D0GAR00Z0001	SMD	.063W	-	0 Ω
R5030	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5050	D0GA473JA015	SMD	.063W	5%	47K Ω
R5051	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5052	D0GA105JA015	SMD	.063W	5%	1M Ω
R5053	D0GA473JA015	SMD	.063W	5%	47K Ω

Cct Ref	Parts Number	Description			
R5054	D0GA563JA015	SMD	.063W	5%	56K Ω
R5055	D0GA203JA015	SMD	.063W	5%	20K Ω
R5056	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5060	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R5061	D0GA122JA015	SMD	.063W	5%	1K2 Ω
R5069	D0GA473JA015	SMD	.063W	5%	47K Ω
R5070	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R5100	D0GA101JA015	SMD	.063W	5%	100 Ω
R5104	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5150	D0GA101JA015	SMD	.063W	5%	100 Ω
R5151	D0GA101JA015	SMD	.063W	5%	100 Ω
R5152	D0GA473JA015	SMD	.063W	5%	47K Ω
R5153	D0GA101JA015	SMD	.063W	5%	100 Ω
R5204	D1BA4302A014	SMD	.063W	1%	43K Ω
R5205	D1BA8201A014	SMD	.063W	1%	8K2 Ω
R5206	ERJ6GEY0R00	S.M.CARB	0.1W	-	0 Ω
R5240	D0GA223JA015	SMD	.063W	5%	22K Ω
R5241	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5242	D0GA473JA015	SMD	.063W	5%	47K Ω
R5243	D0GA333JA015	SMD	.063W	5%	33K Ω
R5246	ERJ6GEY0R00	S.M.CARB	0.1W	-	0 Ω
R5247	ERJ12YJ471U	SMD	0.5W	5%	470 Ω
R5260	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5265	ERJ6GEY0R00	S.M.CARB	0.1W	-	0 Ω
R5266	ERJ6GEY0R00	S.M.CARB	0.1W	-	0 Ω
R5300	D0GA150JA015	SMD	.063W	5%	15 Ω
R5301	D1BB5601A055	SMD	0.1W	1%	5K6 Ω
R5302	D1BB1501A055	SMD	0.1W	1%	1K5 Ω
R5303	D1BB8201A055	SMD	0.1W	1%	8K2 Ω
R5504	D1BB1241A087	SMD	0.1W	0.5	1K24 Ω
R5505	D1BB1241A087	SMD	0.1W	0.5	1K24 Ω
R5506	D1BB2101A087	SMD	0.1W	0.5	2K1 Ω
R5507	D1BB1101A055	SMD	0.1W	1%	1K1 Ω
R5508	D1BB8200A087	SMD	0.1W	0.5	820 Ω
R5509	D1BB8200A087	SMD	0.1W	0.5	820 Ω
R5510	D1BB2001A087	SMD	0.1W	0.5	2K Ω
R5511	D1BB3601A055	SMD	0.1W	1%	3K6 Ω
R5512	D0GB100JA041	SMD	0.1W	5%	10 Ω
R5513	D0GB100JA041	SMD	0.1W	5%	10 Ω
R5514	D0GB100JA041	SMD	0.1W	5%	10 Ω
R5515	D0GB100JA041	SMD	0.1W	5%	10 Ω
R5516	D0GAR00Z0001	SMD	.063W	-	0 Ω
R5517	D1BB1002A055	SMD	0.1W	1%	10K Ω
R5518	D0GAR00Z0001	SMD	.063W	-	0 Ω
R5519	D0GAR00Z0001	SMD	.063W	-	0 Ω
R5520	D1BB1502A055	CHIP RES	0.1W	1%	15K Ω
R5521	D0GAR00Z0001	SMD	.063W	-	0 Ω
R5522	D1BB2002A055	SMD	0.1W	1%	20K Ω
R5523	D1BB2402A055	SMD	0.1W	1%	24K Ω
R5640	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5641	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5642	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R5643	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5644	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5645	D0GBR00Z0002	SMD	0.1W	-	0 Ω
R8000	D0GA331JA015	SMD	.063W	5%	330 Ω
R8100	D0GA821JA015	SMD	.063W	5%	820 Ω
R8102	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8103	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8105	D0GAR00Z0001	SMD	.063W	-	0 Ω
R8109	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8110	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8111	D0GA121JA015	SMD	.063W	5%	120 Ω
R8112	D0GA820JA015	SMD	.063W	5%	82 Ω
R8114	D0GA560JA015	SMD	.063W	5%	56 Ω
R8115	D0GA560JA015	SMD	.063W	5%	56 Ω
R8116	D0GA101JA015	SMD	.063W	5%	100 Ω
R8117	ERJ2GEJ104X	SMD	.063W	5%	100K Ω

Cct Ref	Parts Number	Description			
R8119	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8120	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R8122	D0GAR00Z0001	SMD	.063W	-	0 Ω
R8124	D0GAR00Z0001	SMD	.063W	-	0 Ω
R8240	D1BA2400A014	SMD	.063W	1%	240 Ω
R8246	D0GA330JA015	SMD	.063W	5%	33 Ω
R8247	D0GA330JA015	SMD	.063W	5%	33 Ω
R8253	D1BA1001A014	SMD	.063W	1%	1K Ω
R8254	D1BA1001A014	SMD	.063W	1%	1K Ω
R8255	D1BA1001A014	SMD	.063W	1%	1K Ω
R8270	D1BA1001A014	SMD	.063W	1%	1K Ω
R8271	D1BA1001A014	SMD	.063W	1%	1K Ω
R8272	D1BA1001A014	SMD	.063W	1%	1K Ω
R8277	D1BA1001A014	SMD	.063W	1%	1K Ω
R8278	D1BA1001A014	SMD	.063W	1%	1K Ω
R8279	D1BA1001A014	SMD	.063W	1%	1K Ω
R8280	D1BA1001A014	SMD	.063W	1%	1K Ω
R8281	D1BA1001A014	SMD	.063W	1%	1K Ω
R8282	D1BA1001A014	SMD	.063W	1%	1K Ω
R8283	D1BA1001A014	SMD	.063W	1%	1K Ω
R8284	D1BA1001A014	SMD	.063W	1%	1K Ω
R8285	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R8286	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R8287	D1BA2400A014	SMD	.063W	1%	240 Ω
R8288	D1BA2400A014	SMD	.063W	1%	240 Ω
R8289	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8300	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8301	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8302	D0GA471JA015	SMD	.063W	5%	470 Ω
R8303	D0GA680JA015	SMD	.063W	5%	68 Ω
R8305	D0GA680JA015	SMD	.063W	5%	68 Ω
R8306	D0GA680JA015	SMD	.063W	5%	68 Ω
R8310	D0GA680JA015	SMD	.063W	5%	68 Ω
R8315	D0GAR00Z0001	SMD	.063W	-	0 Ω
R8316	D0GAR00Z0001	SMD	.063W	-	0 Ω
R8322	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R8323	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R8324	D0GA561JA015	SMD	.063W	5%	560 Ω
R8325	D0GA561JA015	SMD	.063W	5%	560 Ω
R8326	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R8327	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R8393	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8394	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8395	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8396	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8397	EXB2HV103JV	SMD	.063W	5%	10K Ω
R8404	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8406	D0GA680JA015	SMD	.063W	5%	68 Ω
R8407	D0GA680JA015	SMD	.063W	5%	68 Ω
R8408	D0GA680JA015	SMD	.063W	5%	68 Ω
R8409	D0GA680JA015	SMD	.063W	5%	68 Ω
R8410	D0GA680JA015	SMD	.063W	5%	68 Ω
R8411	D0GA680JA015	SMD	.063W	5%	68 Ω
R8412	D0GA680JA015	SMD	.063W	5%	68 Ω
R8413	D0GA680JA015	SMD	.063W	5%	68 Ω
R8414	EXB28V151JX	SMD	.031W	5%	150 Ω
R8415	EXB28V104JX	CHIP RES	-	5%	100K Ω
R8416	EXB28V151JX	SMD	.031W	5%	150 Ω
R8417	EXB28V104JX	CHIP RES	-	5%	100K Ω
R8419	EXB2HV101JV	SMD	.063W	5%	100 Ω
R8420	EXB2HV101JV	SMD	.063W	5%	100 Ω
R8422	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8423	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8424	EXB28V680JX	SMD	.031W	5%	68 Ω
R8425	D0GA680JA015	SMD	.063W	5%	68 Ω
R8426	D0GA680JA015	SMD	.063W	5%	68 Ω
R8428	D0GA222JA015	SMD	.063W	5%	2K2 Ω
R8429	D0GA473JA015	SMD	.063W	5%	47K Ω

Cct Ref	Parts Number	Description			
R8430	D0GA473JA015	SMD	.063W	5%	47K Ω
R8431	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8432	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8433	ERJ8RSJR10V	SMD	0.25W	5%	0.1 Ω
R8434	D0GA473JA015	SMD	.063W	5%	47K Ω
R8436	D0GA223JA015	SMD	.063W	5%	22K Ω
R8437	D0GA223JA015	SMD	.063W	5%	22K Ω
R8438	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8439	D0GA223JA015	SMD	.063W	5%	22K Ω
R8440	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R8441	D0GA681JA015	SMD	.063W	5%	680 Ω
R8442	D0GA680JA015	SMD	.063W	5%	68 Ω
R8443	D0GA680JA015	SMD	.063W	5%	68 Ω
R8444	D0GA680JA015	SMD	.063W	5%	68 Ω
R8445	D0GA680JA015	SMD	.063W	5%	68 Ω
R8446	D0GA680JA015	SMD	.063W	5%	68 Ω
R8447	D0GA151JA015	SMD	.063W	5%	150 Ω
R8448	D0GA151JA015	SMD	.063W	5%	150 Ω
R8449	D0GA151JA015	SMD	.063W	5%	150 Ω
R8450	D0GA473JA015	SMD	.063W	5%	47K Ω
R8451	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8452	D0GA680JA015	SMD	.063W	5%	68 Ω
R8453	D0GA680JA015	SMD	.063W	5%	68 Ω
R8454	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R8455	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R8456	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R8457	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8458	D0GA473JA015	SMD	.063W	5%	47K Ω
R8459	D0GA473JA015	SMD	.063W	5%	47K Ω
R8460	D0GA680JA015	SMD	.063W	5%	68 Ω
R8461	D0GA680JA015	SMD	.063W	5%	68 Ω
R8462	D0GA680JA015	SMD	.063W	5%	68 Ω
R8463	D0GA680JA015	SMD	.063W	5%	68 Ω
R8464	D0GA680JA015	SMD	.063W	5%	68 Ω
R8465	D0GA680JA015	SMD	.063W	5%	68 Ω
R8466	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8467	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8468	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8469	D0GA680JA015	SMD	.063W	5%	68 Ω
R8470	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8471	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8472	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8473	D0GA222JA015	SMD	.063W	5%	2K2 Ω
R8474	D0GA222JA015	SMD	.063W	5%	2K2 Ω
R8480	D0GA680JA015	SMD	.063W	5%	68 Ω
R8481	D0GA223JA015	SMD	.063W	5%	22K Ω
R8483	D0GA680JA015	SMD	.063W	5%	68 Ω
R8484	D0GA680JA015	SMD	.063W	5%	68 Ω
R8485	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8488	D0GA680JA015	SMD	.063W	5%	68 Ω
R8489	D0GA680JA015	SMD	.063W	5%	68 Ω
R8490	D0GA680JA015	SMD	.063W	5%	68 Ω
R8491	D0GA680JA015	SMD	.063W	5%	68 Ω
R8492	D0GA680JA015	SMD	.063W	5%	68 Ω
R8493	D0GA680JA015	SMD	.063W	5%	68 Ω
R8494	D0GA680JA015	SMD	.063W	5%	68 Ω
R8495	D0GA680JA015	SMD	.063W	5%	68 Ω
R8496	D0GA680JA015	SMD	.063W	5%	68 Ω
R8497	D0GA680JA015	SMD	.063W	5%	68 Ω
R8498	D0GA680JA015	SMD	.063W	5%	68 Ω
R8499	D0GA680JA015	SMD	.063W	5%	68 Ω
R8501	D0GA680JA015	SMD	.063W	5%	68 Ω
R8502	D0GA680JA015	SMD	.063W	5%	68 Ω
R8503	D0GA680JA015	SMD	.063W	5%	68 Ω
R8504	D0GA680JA015	SMD	.063W	5%	68 Ω
R8505	D0GA680JA015	SMD	.063W	5%	68 Ω
R8506	D0GA680JA015	SMD	.063W	5%	68 Ω
R8507	D0GA680JA015	SMD	.063W	5%	68 Ω



Cct Ref	Parts Number	Description			
R8508	D0GA680JA015	SMD	.063W	5%	68 Ω
R8509	D0GA680JA015	SMD	.063W	5%	68 Ω
R8510	D0GA680JA015	SMD	.063W	5%	68 Ω
R8511	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8515	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8516	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8600	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8606	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8610	D0GA680JA015	SMD	.063W	5%	68 Ω
R8621	D0GA680JA015	SMD	.063W	5%	68 Ω
R8622	D0GA680JA015	SMD	.063W	5%	68 Ω
R8623	D0GA680JA015	SMD	.063W	5%	68 Ω
R8624	D0GA680JA015	SMD	.063W	5%	68 Ω
R8636	D0GA680JA015	SMD	.063W	5%	68 Ω
R8638	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8641	D0GA680JA015	SMD	.063W	5%	68 Ω
R8642	D0GA680JA015	SMD	.063W	5%	68 Ω
R8644	D0GA680JA015	SMD	.063W	5%	68 Ω
R8645	D0GA680JA015	SMD	.063W	5%	68 Ω
R8649	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8651	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8652	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8657	D0GA222JA015	SMD	.063W	5%	2K2 Ω
R8658	D0GA222JA015	SMD	.063W	5%	2K2 Ω
R8660	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8661	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8668	D0GA680JA015	SMD	.063W	5%	68 Ω
R8669	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8672	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8673	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8678	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8680	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8683	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8685	D0GA222JA015	SMD	.063W	5%	2K2 Ω
R8689	D0GA680JA015	SMD	.063W	5%	68 Ω
R8691	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8703	D0GA560JA015	SMD	.063W	5%	56 Ω
R8704	D0GA560JA015	SMD	.063W	5%	56 Ω
R8705	D0GA560JA015	SMD	.063W	5%	56 Ω
R8706	D0GA560JA015	SMD	.063W	5%	56 Ω
R8707	D0GA560JA015	SMD	.063W	5%	56 Ω
R8708	D0GA560JA015	SMD	.063W	5%	56 Ω
R8709	D0GA560JA015	SMD	.063W	5%	56 Ω
R8710	D0GA560JA015	SMD	.063W	5%	56 Ω
R8711	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R8712	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R8721	D0GA560JA015	SMD	.063W	5%	56 Ω
R8722	D0GA560JA015	SMD	.063W	5%	56 Ω
R8723	D0GA560JA015	SMD	.063W	5%	56 Ω
R8724	D0GA560JA015	SMD	.063W	5%	56 Ω
R8725	D0GA560JA015	SMD	.063W	5%	56 Ω
R8726	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8727	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8728	D0GA560JA015	SMD	.063W	5%	56 Ω
R8729	D0GA560JA015	SMD	.063W	5%	56 Ω
R8730	D0GA560JA015	SMD	.063W	5%	56 Ω
R8731	D0GA560JA015	SMD	.063W	5%	56 Ω
R8732	D0GA560JA015	SMD	.063W	5%	56 Ω
R8733	D0GA560JA015	SMD	.063W	5%	56 Ω
R8734	D0GAR00Z0001	SMD	.063W	-	0 Ω
R8735	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8737	D1BA6491A014	SMD	.063W	1%	6K49 Ω
R8739	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8743	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8744	D1BA6201A014	SMD	.063W	1%	6K2 Ω
R8745	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R8746	D0GAR00Z0001	SMD	.063W	-	0 Ω
R8747	ERJ2GEJ103X	SMD	.063W	5%	10K Ω

Cct Ref	Parts Number	Description			
R8748	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8753	D0GBR00Z0002	SMD	0.1W	-	0 Ω
R8754	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8757	D1BA1600A014	SMD	.063W	1%	160 Ω
R8758	D1BA2402A014	SMD	.063W	1%	24K Ω
R8759	D1BA1002A014	SMD	.063W	1%	10K Ω
R8760	D1BA2402A014	SMD	.063W	1%	24K Ω
R8761	D1BA6201A014	SMD	.063W	1%	6K2 Ω
R8762	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R8763	D0GAR00Z0001	SMD	.063W	-	0 Ω
R8764	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8766	D0GA272JA015	SMD	.063W	5%	2K7 Ω
R8767	D0GA272JA015	SMD	.063W	5%	2K7 Ω
R8800	D1BA49R9A014	SMD	.063W	1%	49R9 Ω
R8802	D1BA49R9A014	SMD	.063W	1%	49R9 Ω
R8803	D1BA49R9A014	SMD	.063W	1%	49R9 Ω
R8804	D1BA49R9A014	SMD	.063W	1%	49R9 Ω
R8807	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8825	D0GA101JA015	SMD	.063W	5%	100 Ω
R8856	D0GA473JA015	SMD	.063W	5%	47K Ω
R8857	D0GA680JA015	SMD	.063W	5%	68 Ω
R8858	D0GA680JA015	SMD	.063W	5%	68 Ω
R8859	D0GA680JA015	SMD	.063W	5%	68 Ω
R8860	D0GA680JA015	SMD	.063W	5%	68 Ω
R8861	D0GA680JA015	SMD	.063W	5%	68 Ω
R8862	D0GA680JA015	SMD	.063W	5%	68 Ω
R8863	D0GA680JA015	SMD	.063W	5%	68 Ω
R8864	D0GA680JA015	SMD	.063W	5%	68 Ω
R8866	D0GAR00Z0001	SMD	.063W	-	0 Ω
R8867	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8868	D0GA330JA015	SMD	.063W	5%	33 Ω
R8869	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8870	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8871	D0GAR00Z0001	SMD	.063W	-	0 Ω
R8872	D0GA330JA015	SMD	.063W	5%	33 Ω
R8873	D0GA330JA015	SMD	.063W	5%	33 Ω
R8874	D0GA330JA015	SMD	.063W	5%	33 Ω
R8875	D0GA330JA015	SMD	.063W	5%	33 Ω
R8876	D0GA330JA015	SMD	.063W	5%	33 Ω
R8877	D0GA330JA015	SMD	.063W	5%	33 Ω
R8878	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8879	EXB28V103JX	SMD	.031W	5%	10K Ω
R8880	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8886	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8887	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8918	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8919	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8922	EXB2HVR000V	SMD	0W	-	0 Ω
R8923	D0GA680JA015	SMD	.063W	5%	68 Ω
R8924	D0GA680JA015	SMD	.063W	5%	68 Ω
R8925	D0GA680JA015	SMD	.063W	5%	68 Ω
R8926	D0GA680JA015	SMD	.063W	5%	68 Ω
R8927	D0GA680JA015	SMD	.063W	5%	68 Ω
R8928	D0GA680JA015	SMD	.063W	5%	68 Ω
R8950	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R8952	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9005	D0GA101JA015	SMD	.063W	5%	100 Ω
R9006	D0GA101JA015	SMD	.063W	5%	100 Ω
R9007	D0GA101JA015	SMD	.063W	5%	100 Ω
R9008	D0GA101JA015	SMD	.063W	5%	100 Ω
R9009	D0GA101JA015	SMD	.063W	5%	100 Ω
R9010	D0GA101JA015	SMD	.063W	5%	100 Ω
R9011	D0GA101JA015	SMD	.063W	5%	100 Ω
R9012	D0GA101JA015	SMD	.063W	5%	100 Ω
R9013	D0GA101JA015	SMD	.063W	5%	100 Ω
R9014	D0GA101JA015	SMD	.063W	5%	100 Ω
R9015	D0GA101JA015	SMD	.063W	5%	100 Ω
R9016	D0GA101JA015	SMD	.063W	5%	100 Ω

Cct Ref	Parts Number	Description			
R9020	D0GBR00Z0002	SMD	0.1W	-	0 Ω
R9021	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R9022	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R9023	D0GD103JA036	SMD	.125W	5%	10K Ω
R9025	D0GA392JA015	SMD	.063W	5%	3K9 Ω
R9031	D0GA473JA015	SMD	.063W	5%	47K Ω
R9036	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R9042	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R9052	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R9056	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R9066	EXB2HV103JV	SMD	.063W	5%	10K Ω
R9068	D0GA334JA015	SMD	.063W	5%	330K Ω
R9069	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R9070	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R9071	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R9072	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R9073	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R9074	D0GA101JA015	SMD	.063W	5%	100 Ω
R9075	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R9076	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R9078	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R9079	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R9081	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R9082	D0GA680JA015	SMD	.063W	5%	68 Ω
R9088	D0GA223JA015	SMD	.063W	5%	22K Ω
R9089	EXB28V680JX	SMD	.031W	5%	68 Ω
R9090	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R9093	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R9094	D0GA680JA015	SMD	.063W	5%	68 Ω
R9095	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R9096	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R9097	D0GA680JA015	SMD	.063W	5%	68 Ω
R9098	D0GA680JA015	SMD	.063W	5%	68 Ω
R9099	D0GA680JA015	SMD	.063W	5%	68 Ω
R9100	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R9101	D0GA153JA015	SMD	.063W	5%	15K Ω
R9102	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R9103	D1BB2492A055	SMD	0.1W	1%	24K9 Ω
R9104	D1BB2700A087	SMD	0.1W	0.5	270 Ω
R9106	D1BB4702A055	SMD	0.1W	1%	47K Ω
R9107	D1BB1001A087	SMD	0.1W	0.5	1K Ω
R9108	D1BB1101A055	SMD	0.1W	1%	1K1 Ω
R9109	D1BB8200A087	SMD	0.1W	0.5	820 Ω
R9110	D1BB3601A055	SMD	0.1W	1%	3K6 Ω
R9113	D0GA473JA015	SMD	.063W	5%	47K Ω
R9114	D0GB100JA041	SMD	0.1W	5%	10 Ω
R9115	D0GB100JA041	SMD	0.1W	5%	10 Ω
R9116	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9117	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9118	D1BB2702A055	CHIP RES	0.1W	1%	27K Ω
R9119	D1BB2402A055	SMD	0.1W	1%	24K Ω
R9125	D0GA101JA015	SMD	.063W	5%	100 Ω
R9126	D0GA101JA015	SMD	.063W	5%	100 Ω
R9135	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9138	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9152	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9153	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9158	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R9159	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R9160	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R9161	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R9201	D0GA101JA015	SMD	.063W	5%	100 Ω
R9202	D0GA101JA015	SMD	.063W	5%	100 Ω
R9203	D0GA101JA015	SMD	.063W	5%	100 Ω
R9204	D0GA101JA015	SMD	.063W	5%	100 Ω
R9205	D0GA101JA015	SMD	.063W	5%	100 Ω
R9206	D0GA101JA015	SMD	.063W	5%	100 Ω
R9207	D0GA101JA015	SMD	.063W	5%	100 Ω

Cct Ref	Parts Number	Description			
R9208	D0GA101JA015	SMD	.063W	5%	100 Ω
R9209	D0GA101JA015	SMD	.063W	5%	100 Ω
R9210	D0GA101JA015	SMD	.063W	5%	100 Ω
R9211	D0GA101JA015	SMD	.063W	5%	100 Ω
R9212	D0GA101JA015	SMD	.063W	5%	100 Ω
R9213	D0GA101JA015	SMD	.063W	5%	100 Ω
R9214	D0GA101JA015	SMD	.063W	5%	100 Ω
R9215	D0GA101JA015	SMD	.063W	5%	100 Ω
R9216	D0GA101JA015	SMD	.063W	5%	100 Ω
R9217	D0GA101JA015	SMD	.063W	5%	100 Ω
R9218	D0GA101JA015	SMD	.063W	5%	100 Ω
R9219	D0GBR00Z0002	SMD	0.1W	-	0 Ω
R9221	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R9222	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R9223	D0GA101JA015	SMD	.063W	5%	100 Ω
R9224	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R9225	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R9226	D0GA101JA015	SMD	.063W	5%	100 Ω
R9228	D0GA101JA015	SMD	.063W	5%	100 Ω
R9229	D0GA101JA015	SMD	.063W	5%	100 Ω
R9230	D0GA101JA015	SMD	.063W	5%	100 Ω
R9232	D0GA101JA015	SMD	.063W	5%	100 Ω
R9234	D0GA680JA015	SMD	.063W	5%	68 Ω
R9235	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9237	D1BA1001A014	SMD	.063W	1%	1K Ω
R9238	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9239	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9240	D1BA10R0A014	SMD	.063W	1%	10 Ω
R9242	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R9243	D1BA1004A014	SMD	.063W	1%	1000K Ω
R9245	D1BA6201A014	SMD	.063W	1%	6K2 Ω
R9246	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R9247	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R9248	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R9250	D1BA1000A014	SMD	.063W	1%	100 Ω
R9260	D1BA20R0A014	SMD	.063W	1%	20 Ω
R9261	D1BA20020005	SMD	.063W	1%	20K Ω
R9262	D1BA7501A014	SMD	.063W	1%	7K5 Ω
R9263	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9264	D1BA20R0A014	SMD	.063W	1%	20 Ω
R9265	D1BA1000A014	SMD	.063W	1%	100 Ω
R9266	D1BA3001A014	SMD	.063W	1%	3K Ω
R9267	D1BA10R0A014	SMD	.063W	1%	10 Ω
R9268	D1BA10R0A014	SMD	.063W	1%	10 Ω
R9270	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9271	D1BA1003A014	SMD	.063W	1%	100K Ω
R9272	D1BA3602A014	SMD	.063W	1%	36K Ω
R9273	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9275	D1BA3001A014	SMD	.063W	1%	3K Ω
R9276	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9278	D1BA8202A014	SMD	.063W	1%	82K Ω
R9280	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9281	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9283	D1BA5101A014	SMD	.063W	1%	5K1 Ω
R9285	D1BA3601A014	SMD	.063W	1%	3K6 Ω
R9286	D1BA1302A014	SMD	.063W	1%	13K Ω
R9287	D1BA8201A014	SMD	.063W	1%	8K2 Ω
R9288	D1BA1000A014	SMD	.063W	1%	100 Ω
R9289	D1BA2R20A014	SMD	.063W	1%	2R2 Ω
R9290	D1BA2R20A014	SMD	.063W	1%	2R2 Ω
R9291	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9294	D1BA1003A014	SMD	.063W	1%	100K Ω
R9297	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9298	D1BA20R0A014	SMD	.063W	1%	20 Ω
R9299	D1BA20R0A014	SMD	.063W	1%	20 Ω
R9300	D1BA1002A014	SMD	.063W	1%	10K Ω
R9301	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9302	D0GAR00Z0001	SMD	.063W	-	0 Ω

Cct Ref	Parts Number	Description			
R9303	D1BA2R20A014	SMD	.063W	1%	2R2 Ω
R9306	D1BA2R20A014	SMD	.063W	1%	2R2 Ω
R9307	D1BA1004A014	SMD	.063W	1%	1000K Ω
R9308	D1BA1004A014	SMD	.063W	1%	1000K Ω
R9309	D1BA5102A014	SMD	.063W	1%	51K Ω
R9310	D1BA7502A014	SMD	.063W	1%	75K Ω
R9311	D1BA6802A014	SMD	.063W	1%	68K Ω
R9312	D1BA1502A014	SMD	.063W	1%	15K Ω
R9313	D1BA5602A014	SMD	.063W	1%	56K Ω
R9314	D1BA1003A014	SMD	.063W	1%	100K Ω
R9315	D1BA2R20A014	SMD	.063W	1%	2R2 Ω
R9316	D1BA2R20A014	SMD	.063W	1%	2R2 Ω
R9317	D1BA2R20A014	SMD	.063W	1%	2R2 Ω
R9318	D1BA2R20A014	SMD	.063W	1%	2R2 Ω
R9319	D1BA1602A014	SMD	.063W	1%	16K Ω
R9320	D1BA8202A014	SMD	.063W	1%	82K Ω
R9322	ERJ8ENF9101V	SMD	0.25W	1%	9K1 Ω
R9324	D1BA1001A014	SMD	.063W	1%	1K Ω
R9327	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9328	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9331	D1BA2701A014	SMD	.063W	1%	2K7 Ω
R9332	D1BA5102A014	SMD	.063W	1%	51K Ω
R9333	D1BA20020005	SMD	.063W	1%	20K Ω
R9334	D1BA7501A014	SMD	.063W	1%	7K5 Ω
R9335	D1BA3303A014	SMD	.063W	1%	330K Ω
R9336	D4CC14730006	THERMIST	-	1%	47K Ω
R9337	D1BA9101A014	SMD	.063W	1%	9K1 Ω
R9338	D1BA1001A014	SMD	.063W	1%	1K Ω
R9339	D0GA472JA015	SMD	.063W	5%	4K7 Ω
R9349	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9351	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9353	D1BA2202A014	SMD	.063W	1%	22K Ω
R9359	D1BA1001A014	SMD	.063W	1%	1K Ω
R9361	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9362	D1BA2202A014	SMD	.063W	1%	22K Ω
R9363	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9364	D1BA3900A014	SMD	.063W	1%	390 Ω
R9365	D1BA1001A014	SMD	.063W	1%	1K Ω
R9366	D1BA2201A014	SMD	.063W	1%	2K2 Ω
R9369	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9373	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9376	D1BA2202A014	SMD	.063W	1%	22K Ω
R9377	D1BA2202A014	SMD	.063W	1%	22K Ω
R9378	D1BA2202A014	SMD	.063W	1%	22K Ω
R9381	D1BA1001A014	SMD	.063W	1%	1K Ω
R9382	D1BA1001A014	SMD	.063W	1%	1K Ω
R9383	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9384	D0GAR00Z0001	SMD	.063W	-	0 Ω
R9385	D0GBR00Z0002	SMD	0.1W	-	0 Ω
<b>CAPACITORS</b>					
C800	F1A2E221A003	CERAMIC	250V		220pF ▲
C801	ECKCNA101MB7	CERAMIC	250V		100pF ▲
C802	F0CAF224A021	FILM	275		220nF ▲
C803	F1J1H103A834	S.M.CAP	50V		10nF
C804	F1J1E224A227	S.M.CAP	25V		220nF
C805	F1J1H104A835	S.M.CAP	50V		100nF
C806	F1J1H103A834	S.M.CAP	50V		10nF
C808	F1J1H104A835	S.M.CAP	50V		100nF
C809	F0CAF224A021	FILM	275		220nF ▲
C810	F1J1H122A847	S.M.CAP	50V		1.2nF
C811	F1J1H222A834	S.M.CAP	50V		2.2nF
C812	F2A1H100A165	ELECT	50V		10μF
C814	ECKWBE472ZER	CERAMIC	250V		4.7nF ▲
C815	ECKWBE472ZER	CERAMIC	250V		4.7nF ▲
C817	F0CAF224A021	FILM	275		220nF ▲
C820	ECKWBE472ZER	CERAMIC	250V		4.7nF ▲
C821	ECKWBE472ZER	CERAMIC	250V		4.7nF ▲

Cct Ref	Parts Number	Description			
C822	ECQE6474JFB	FILM	630V		470nF
C823	F1H1A1050028	CERAMIC	10V		1μF
C826	F2A2W121A182	ELECT	450V		120μF
C827	F1J1H104A835	S.M.CAP	50V		100nF
C830	F1J1H104A835	S.M.CAP	50V		100nF
C832	F1J1H122A847	S.M.CAP	50V		1.2nF
C833	F1J1H224A736	S.M.CAP	50V		220nF
C834	F1L1C1060032	S.M.CAP	16V		10μF
C835	F1J1E2250001	S.M.CAP	25V		2.2μF
C837	F2A2W6R8A176	ELECT	450V		6.8μF
C838	F2A1H220A182	ELECT	50V		22μF
C839	F1J1E2250001	S.M.CAP	25V		2.2μF
C840	F1J1H122A847	S.M.CAP	50V		1.2nF
C841	F1J1E2250001	S.M.CAP	25V		2.2μF
C843	F1J1H104A835	S.M.CAP	50V		100nF
C844	ECKC3D101J	CERAMIC	2KV		100pF
C845	F1J1H223A834	S.M.CAP	50V		22nF
C846	F1J1H104A835	S.M.CAP	50V		100nF
C847	F2A1H101A493	ELECT	50V		100μF
C848	ECKW3A472KBP	CERAMIC	1KV		4.7nF
C849	ECKC3D221JB	CERAMIC	2KV		220pF
C850	ECKC3D221JB	CERAMIC	2KV		220pF
C851	F1J1H223A834	S.M.CAP	50V		22nF
C852	F1J1H104A835	S.M.CAP	50V		100nF
C853	ECKCNA102MB7	CERAMIC	250V		1nF ▲
C854	F0A3A273A008	PLASTIC	1KV		27nF
C855	ECKZ3A331KBP	CERAMIC	1KV		330pF
C856	F2A1A102B297	ELECT	10V		1000μF
C857	F1J1H103A834	S.M.CAP	50V		10nF
C858	F1J1H105A830	S.M.CAP	50V		1000nF
C860	F2A1C1020112	ELECT	16V		1000μF
C862	F2A1E102B457	ELECT	25V		1000μF
C863	F2A1C1020112	ELECT	16V		1000μF
C864	F2A1V821B312	ELECT	35V		820μF
C866	F2A1E102B457	ELECT	25V		1000μF
C867	F1J1H104A835	S.M.CAP	50V		100nF
C868	F1J1H104A835	S.M.CAP	50V		100nF
C869	F1J1H104A835	S.M.CAP	50V		100nF
C1039	F1G1H471A730	S.M.CAP	50V		470pF
C1040	F1G1H471A730	S.M.CAP	50V		470pF
C1041	F1G1H102A730	S.M.CAP	50V		1nF
C1042	F1G1H102A730	S.M.CAP	50V		1nF
C1043	F1G1H102A730	S.M.CAP	50V		1nF
C1100	F1G1E103A123	S.M.CAP	25V		10nF
C1102	F1G1C104A116	S.M.CAP	16V		100nF
C1113	F1G1C104A116	S.M.CAP	16V		100nF
C1115	F1G1C104A116	S.M.CAP	16V		100nF
C1118	F1G1C104A116	S.M.CAP	16V		100nF
C1119	F1H1A105A025	S.M.CAP	10V		1μF
C1121	F1H1A105A025	S.M.CAP	10V		1μF
C1124	F1G1C104A116	S.M.CAP	16V		100nF
C1125	F1G1C104A116	S.M.CAP	16V		100nF
C1126	F1H1A105A025	S.M.CAP	10V		1μF
C1127	F1H1H270A971	S.M.CAP	50V		27pF
C1128	F1G1H270A731	S.M.CAP	50V		27pF
C2055	F1J1A106A087	S.M.CAP	10V		10μF
C2057	F1J1A106A087	S.M.CAP	10V		10μF
C2071	EEHBOJ101UR	ELECT	6.3V		100μF
C2072	EEHBOJ101UR	ELECT	6.3V		100μF
C2073	F1G1E333A091	S.M.CAP	25V		33nF
C2074	F1G1E333A091	S.M.CAP	25V		33nF
C2075	F1G1C104A116	S.M.CAP	16V		100nF
C2076	F1G1C104A116	S.M.CAP	16V		100nF
C2077	F1G1C104A116	S.M.CAP	16V		100nF
C2078	F1G1A105A047	S.M.CAP	10V		1000nF
C2079	F1G1C103A116	S.M.CAP	16V		10nF
C2104	F1G1H100A731	S.M.CAP	50V		10pF
C2107	F1G1A105A047	S.M.CAP	10V		1000nF

Cct Ref	Parts Number	Description		
C2108	F1G1A105A047	S.M.CAP	10V	1000nF
C2314	F1J1E105A231	S.M.CAP	25V	1μF
C2315	F1K1E106A136	S.M.CAP	25V	10μF
C2316	F1H1H104A970	S.M.CAP	50V	100nF
C2317	F1J1E105A231	S.M.CAP	25V	1μF
C2318	F1H1H104A970	S.M.CAP	50V	100nF
C2320	F1J1E105A231	S.M.CAP	25V	1μF
C2321	F1H1H104A970	S.M.CAP	50V	100nF
C2322	F1K1E106A136	S.M.CAP	25V	10μF
C2323	F1H1H104A970	S.M.CAP	50V	100nF
C2324	F1J1E105A231	S.M.CAP	25V	1μF
C2334	F1J1H474A757	S.M.CAP	50V	470nF
C2335	F1H1E104A129	S.M.CAP	25V	100nF
C2336	F1H1E104A129	S.M.CAP	25V	100nF
C2337	F1J1H474A757	S.M.CAP	50V	470nF
C2338	F1H1E104A129	S.M.CAP	25V	100nF
C2339	F1H1E104A129	S.M.CAP	25V	100nF
C2349	F1G1H102A730	S.M.CAP	50V	1nF
C2351	F1G1H102A730	S.M.CAP	50V	1nF
C2353	F1G1H102A730	S.M.CAP	50V	1nF
C2355	F1G1H102A730	S.M.CAP	50V	1nF
C2501	F2G0J470A019	ELECT	6.3V	47μF
C2502	F1G1C103A116	S.M.CAP	16V	10nF
C2505	F1H1C104A143	S.M.CAP	16V	100nF
C2514	F1J1A106A087	S.M.CAP	10V	10μF
C2750	F1G1C104A116	S.M.CAP	16V	100nF
C2751	F1G1H102A730	S.M.CAP	50V	1nF
C2752	F1G1H102A730	S.M.CAP	50V	1nF
C2753	F1G1H102A730	S.M.CAP	50V	1nF
C2754	F1G1H102A730	S.M.CAP	50V	1nF
C2755	F1G1H102A730	S.M.CAP	50V	1nF
C2756	F1G1C104A116	S.M.CAP	16V	100nF
C2757	F1G1H102A730	S.M.CAP	50V	1nF
C2761	F1G1H102A730	S.M.CAP	50V	1nF
C2762	F1G1H102A730	S.M.CAP	50V	1nF
C2763	F1G1C104A116	S.M.CAP	16V	100nF
C2775	F1G1H101A731	S.M.CAP	50V	100pF
C2778	F1G1C104A116	S.M.CAP	16V	100nF
C2779	F1K1C106A126	S.M.CAP	16V	10μF
C2781	F1G1C103A116	S.M.CAP	16V	10nF
C2782	F1G1C103A116	S.M.CAP	16V	10nF
C2790	F1G1H102A730	S.M.CAP	50V	1nF
C2905	F2H1A101A009	ELECT	10V	100μF
C2907	F1G1C104A116	S.M.CAP	16V	100nF
C2909	F1G1C104A116	S.M.CAP	16V	100nF
C2910	F1G1C104A116	S.M.CAP	16V	100nF
C2911	F1G1C104A116	S.M.CAP	16V	100nF
C2917	F1G1H102A730	S.M.CAP	50V	1nF
C2924	F1G1H102A730	S.M.CAP	50V	1nF
C2925	F1G1H102A730	S.M.CAP	50V	1nF
C2950	F1J0J4750004	S.M.CAP	6.3V	4.7μF
C2951	F1J0J4750004	S.M.CAP	6.3V	4.7μF
C2961	F1H1A105A025	S.M.CAP	10V	1μF
C3003	F1G1C104A116	S.M.CAP	16V	100nF
C3004	F1G1C104A116	S.M.CAP	16V	100nF
C3011	F1J1A106A087	S.M.CAP	10V	10μF
C3015	F1J1A106A087	S.M.CAP	10V	10μF
C3016	F1G1C104A116	S.M.CAP	16V	100nF
C3018	F1G1C104A116	S.M.CAP	16V	100nF
C3019	F1G1C104A116	S.M.CAP	16V	100nF
C3020	F1H1A105A025	S.M.CAP	10V	1μF
C3021	F1H1A105A025	S.M.CAP	10V	1μF
C3022	F1H1A105A025	S.M.CAP	10V	1μF
C3023	F1H1A105A025	S.M.CAP	10V	1μF
C3024	F1J1A106A087	S.M.CAP	10V	10μF
C3025	F1J1A106A087	S.M.CAP	10V	10μF
C3111	F1H1A105A025	S.M.CAP	10V	1μF
C3112	F1H1A105A025	S.M.CAP	10V	1μF

Cct Ref	Parts Number	Description		
C3113	F1J1A106A087	S.M.CAP	10V	10μF
C3116	F1J1A106A087	S.M.CAP	10V	10μF
C3117	F1J1A106A087	S.M.CAP	10V	10μF
C3118	F1J1A106A087	S.M.CAP	10V	10μF
C3119	F2H1A101A009	ELECT	10V	100μF
C3120	F2H1A101A009	ELECT	10V	100μF
C3121	F2H1A101A009	ELECT	10V	100μF
C3122	F2H1A101A009	ELECT	10V	100μF
C3123	F1J1A106A087	S.M.CAP	10V	10μF
C3124	F1J1A106A087	S.M.CAP	10V	10μF
C3125	F1J1A106A087	S.M.CAP	10V	10μF
C3126	F1J1A106A087	S.M.CAP	10V	10μF
C3127	F1J1A106A087	S.M.CAP	10V	10μF
C3128	F1J1A106A087	S.M.CAP	10V	10μF
C3129	F1J1A106A087	S.M.CAP	10V	10μF
C3130	F1G1C104A116	S.M.CAP	16V	100nF
C3131	F1J1A106A087	S.M.CAP	10V	10μF
C3132	F1J1A106A087	S.M.CAP	10V	10μF
C3133	F1G1H561A730	S.M.CAP	50V	560pF
C3134	F1G1H561A730	S.M.CAP	50V	560pF
C3135	F1G1H561A730	S.M.CAP	50V	560pF
C3136	F1G1H561A730	S.M.CAP	50V	560pF
C3137	F1G1H561A730	S.M.CAP	50V	560pF
C3138	F1G1H561A730	S.M.CAP	50V	560pF
C3139	F1G1H561A730	S.M.CAP	50V	560pF
C3140	F1G1H561A730	S.M.CAP	50V	560pF
C3141	F1J1A106A087	S.M.CAP	10V	10μF
C3142	F1J1A106A087	S.M.CAP	10V	10μF
C3143	F1J1A106A087	S.M.CAP	10V	10μF
C3144	F1J1A106A087	S.M.CAP	10V	10μF
C3145	F1J1A106A087	S.M.CAP	10V	10μF
C3146	F1J1A106A087	S.M.CAP	10V	10μF
C3147	F1J1A106A087	S.M.CAP	10V	10μF
C3148	F1J1A106A087	S.M.CAP	10V	10μF
C3149	F1H1A105A025	S.M.CAP	10V	1μF
C3150	F1H1A105A025	S.M.CAP	10V	1μF
C3151	F1H1A105A025	S.M.CAP	10V	1μF
C3152	F1H1A105A025	S.M.CAP	10V	1μF
C3153	F1G1H561A730	S.M.CAP	50V	560pF
C3154	F1G1H561A730	S.M.CAP	50V	560pF
C3155	F1G1H561A730	S.M.CAP	50V	560pF
C3156	F1G1H561A730	S.M.CAP	50V	560pF
C3157	F1H1A105A025	S.M.CAP	10V	1μF
C3158	F1H1A105A025	S.M.CAP	10V	1μF
C3159	F1J1A106A087	S.M.CAP	10V	10μF
C3160	F1J1A106A087	S.M.CAP	10V	10μF
C3161	F1J1A106A087	S.M.CAP	10V	10μF
C3162	F1J1A106A087	S.M.CAP	10V	10μF
C3163	F1J1A106A087	S.M.CAP	10V	10μF
C3164	F1J1A106A087	S.M.CAP	10V	10μF
C3165	F1J1A106A087	S.M.CAP	10V	10μF
C3175	F1G1H102A730	S.M.CAP	50V	1nF
C3176	F1G1H102A730	S.M.CAP	50V	1nF
C3177	F1G1H102A730	S.M.CAP	50V	1nF
C3178	F1G1H102A730	S.M.CAP	50V	1nF
C4546	F1H0J1050013	CERAMIC	6.3V	1μF
C4547	F1H0J1050013	CERAMIC	6.3V	1μF
C4660	F1H0J1050013	CERAMIC	6.3V	1μF
C4661	F1H0J1050013	CERAMIC	6.3V	1μF
C4662	F1H0J1050013	CERAMIC	6.3V	1μF
C4663	F1H0J1050013	CERAMIC	6.3V	1μF
C4664	F1H0J1050013	CERAMIC	6.3V	1μF
C4665	F1H0J1050013	CERAMIC	6.3V	1μF
C4666	F1H0J1050013	CERAMIC	6.3V	1μF
C4667	F1H0J1050013	CERAMIC	6.3V	1μF
C4701	F1G1C104A116	S.M.CAP	16V	100nF
C4704	F1G1C104A116	S.M.CAP	16V	100nF
C4707	F1G1C104A116	S.M.CAP	16V	100nF

Cct Ref	Parts Number	Description		
C4713	F1G1C104A116	S.M.CAP	16V	100nF
C4716	F1G1C104A116	S.M.CAP	16V	100nF
C4717	F1J1A475A087	S.M.CAP	10V	4.7μF
C4718	F1J1A475A087	S.M.CAP	10V	4.7μF
C4722	F1G1C104A116	S.M.CAP	16V	100nF
C4723	F1G1C104A116	S.M.CAP	16V	100nF
C4727	F1J1A106A087	S.M.CAP	10V	10μF
C4730	F1G1C104A116	S.M.CAP	16V	100nF
C4799	F1G1C104A116	S.M.CAP	16V	100nF
C4868	F1H1H103A970	S.M.CAP	50V	10nF
C4869	F1H1H103A970	S.M.CAP	50V	10nF
C4870	F2G1C470A022	ELECT	16V	47μF
C5000	F1H1A105A025	S.M.CAP	10V	1μF
C5006	F1J1C475A170	SMD	16V	4700nF
C5008	F1J1A106A087	S.M.CAP	10V	10μF
C5010	F1H1A105A025	S.M.CAP	10V	1μF
C5012	F1H1A105A025	S.M.CAP	10V	1μF
C5017	F1H1A105A025	S.M.CAP	10V	1μF
C5020	F1G1C104A116	S.M.CAP	16V	100nF
C5021	F1H1A105A025	S.M.CAP	10V	1μF
C5026	F1H1C105A145	S.M.CAP	16V	1000nF
C5050	F1H1A105A025	S.M.CAP	10V	1μF
C5150	F1G1C273A081	S.M.CAP	16V	27nF
C5201	F1J1E105A231	S.M.CAP	25V	1μF
C5203	F1J1E105A231	S.M.CAP	25V	1μF
C5220	F1J1E105A231	S.M.CAP	25V	1μF
C5221	F1J1E105A231	S.M.CAP	25V	1μF
C5241	F1J1H474A757	S.M.CAP	50V	470nF
C5280	F1H1A105A025	S.M.CAP	10V	1μF
C5281	F1H1A105A025	S.M.CAP	10V	1μF
C5300	F1K1E106A136	S.M.CAP	25V	10μF
C5301	F1K1E106A136	S.M.CAP	25V	10μF
C5302	F1H1E104A129	S.M.CAP	25V	100nF
C5303	F1J1A106A087	S.M.CAP	10V	10μF
C5304	F1J1A106A087	S.M.CAP	10V	10μF
C5305	F1J1A106A087	S.M.CAP	10V	10μF
C5306	F1J1A106A087	S.M.CAP	10V	10μF
C5307	F1G1E682A123	S.M.CAP	25V	6.8nF
C5308	F1G1E103A123	S.M.CAP	25V	10nF
C5500	F1G1E682A123	S.M.CAP	25V	6.8nF
C5501	F1G1A154A053	S.M.CAP	10V	150nF
C5502	F1J1A475A087	S.M.CAP	10V	4.7μF
C5503	F1H1C105A145	S.M.CAP	16V	1000nF
C5504	F1G1E682A123	S.M.CAP	25V	6.8nF
C5505	F1J1A475A087	S.M.CAP	10V	4.7μF
C5506	F1H1C105A145	S.M.CAP	16V	1000nF
C5507	F1G1A393A053	S.M.CAP	10V	39nF
C5508	F1H1C104A143	S.M.CAP	16V	100nF
C5509	F1H1C104A143	S.M.CAP	16V	100nF
C5510	F1H1C104A143	S.M.CAP	16V	100nF
C5511	F1H1C104A143	S.M.CAP	16V	100nF
C5516	F1K1E106A136	S.M.CAP	25V	10μF
C5517	F1K1E106A136	S.M.CAP	25V	10μF
C5519	F1K1E106A136	S.M.CAP	25V	10μF
C5520	F1K1E106A136	S.M.CAP	25V	10μF
C5521	F1K1E106A136	S.M.CAP	25V	10μF
C5522	F1K1E106A136	S.M.CAP	25V	10μF
C5523	F1K1E106A136	S.M.CAP	25V	10μF
C5526	F1K1E106A136	S.M.CAP	25V	10μF
C5528	F1K0J226A008	S.M.CAP	6.3V	22μF
C5529	F1K0J226A008	S.M.CAP	6.3V	22μF
C5530	F1K0J226A008	S.M.CAP	6.3V	22μF
C5531	F1K0J226A008	S.M.CAP	6.3V	22μF
C5532	F1K0J226A008	S.M.CAP	6.3V	22μF
C5533	F1K0J226A008	S.M.CAP	6.3V	22μF
C5534	F1K0J226A008	S.M.CAP	6.3V	22μF
C5535	F1K0J226A008	S.M.CAP	6.3V	22μF
C5536	F1K0J226A008	S.M.CAP	6.3V	22μF

Cct Ref	Parts Number	Description		
C5537	F1K0J226A008	S.M.CAP	6.3V	22μF
C5538	F1K0J226A008	S.M.CAP	6.3V	22μF
C5539	F1K0J226A008	S.M.CAP	6.3V	22μF
C5649	F1H1A105A025	S.M.CAP	10V	1μF
C5650	F1H1A225A051	S.M.CAP	10V	2200nF
C5651	F1J1A475A039	S.M.CAP	10V	4.7μF
C5652	F1J1A475A039	S.M.CAP	10V	4.7μF
C8000	F1J1A106A043	S.M.CAP	10V	10μF
C8001	F1J1A106A043	S.M.CAP	10V	10μF
C8002	ECGRL0G680ER	ELECT	4V	68μF
C8003	F1J1A106A043	S.M.CAP	10V	10μF
C8004	F1G1C104A116	S.M.CAP	16V	100nF
C8005	F1J1A106A043	S.M.CAP	10V	10μF
C8006	F1J1A106A043	S.M.CAP	10V	10μF
C8008	F1J1A106A043	S.M.CAP	10V	10μF
C8009	F1J1A106A087	S.M.CAP	10V	10μF
C8010	F1G1C104A116	S.M.CAP	16V	100nF
C8011	F1G1C104A116	S.M.CAP	16V	100nF
C8012	F1G1C104A116	S.M.CAP	16V	100nF
C8013	F1G1C104A116	S.M.CAP	16V	100nF
C8015	F1J1A106A043	S.M.CAP	10V	10μF
C8016	F1G1C104A116	S.M.CAP	16V	100nF
C8017	F1J1A106A087	S.M.CAP	10V	10μF
C8018	F1G1C104A116	S.M.CAP	16V	100nF
C8019	F1G1C104A116	S.M.CAP	16V	100nF
C8020	F1G1C104A116	S.M.CAP	16V	100nF
C8021	F1G1C104A116	S.M.CAP	16V	100nF
C8022	F1G1C104A116	S.M.CAP	16V	100nF
C8023	F1G1C104A116	S.M.CAP	16V	100nF
C8024	F1G1C104A116	S.M.CAP	16V	100nF
C8025	F1G1C104A116	S.M.CAP	16V	100nF
C8026	F1G1H471A730	S.M.CAP	50V	470pF
C8027	F1G1A105A047	S.M.CAP	10V	1000nF
C8028	F1G1C104A116	S.M.CAP	16V	100nF
C8029	F1G1C104A116	S.M.CAP	16V	100nF
C8030	F1G1C104A116	S.M.CAP	16V	100nF
C8031	F1G1C104A116	S.M.CAP	16V	100nF
C8032	F1G1H471A730	S.M.CAP	50V	470pF
C8033	F1G1C104A116	S.M.CAP	16V	100nF
C8034	F1G1C104A116	S.M.CAP	16V	100nF
C8035	F1G1C104A116	S.M.CAP	16V	100nF
C8036	F1G1A105A047	S.M.CAP	10V	1000nF
C8037	F1G1C104A116	S.M.CAP	16V	100nF
C8038	F1G1C104A116	S.M.CAP	16V	100nF
C8039	F1G1C104A116	S.M.CAP	16V	100nF
C8040	F1G1C104A116	S.M.CAP	16V	100nF
C8042	F1G1C104A116	S.M.CAP	16V	100nF
C8043	F1G1C104A116	S.M.CAP	16V	100nF
C8044	F1G1C104A116	S.M.CAP	16V	100nF
C8045	F1G1A105A047	S.M.CAP	10V	1000nF
C8046	F1G1C104A116	S.M.CAP	16V	100nF
C8048	F1G1C104A116	S.M.CAP	16V	100nF
C8049	F1G1C104A116	S.M.CAP	16V	100nF
C8050	F1G1C104A116	S.M.CAP	16V	100nF
C8051	F1G1A105A047	S.M.CAP	10V	1000nF
C8052	F1G1C104A116	S.M.CAP	16V	100nF
C8053	F1G1C104A116	S.M.CAP	16V	100nF
C8054	F1G1A105A047	S.M.CAP	10V	1000nF
C8055	F1G1C104A116	S.M.CAP	16V	100nF
C8056	F1G1C104A116	S.M.CAP	16V	100nF
C8057	F1G1A105A047	S.M.CAP	10V	1000nF
C8058	F1H0J2250008	CERAMIC	6.3V	2200nF
C8059	F1H0J2250008	CERAMIC	6.3V	2200nF
C8060	F1H0J2250008	CERAMIC	6.3V	2200nF
C8061	F1J1A106A043	S.M.CAP	10V	10μF
C8062	F1G1C104A116	S.M.CAP	16V	100nF
C8063	F1G1C104A116	S.M.CAP	16V	100nF
C8064	F1G1A105A047	S.M.CAP	10V	1000nF

Cct Ref	Parts Number	Description		
C8065	F1G1C104A116	S.M.CAP	16V	100nF
C8066	F1G1C104A116	S.M.CAP	16V	100nF
C8067	F1G1C104A116	S.M.CAP	16V	100nF
C8068	F1G1C104A116	S.M.CAP	16V	100nF
C8069	F1G1C104A116	S.M.CAP	16V	100nF
C8070	F1G1C104A116	S.M.CAP	16V	100nF
C8071	F1G1C104A116	S.M.CAP	16V	100nF
C8072	F1G1C104A116	S.M.CAP	16V	100nF
C8073	F1G1C104A116	S.M.CAP	16V	100nF
C8074	F1G1C104A116	S.M.CAP	16V	100nF
C8075	F1G1C104A116	S.M.CAP	16V	100nF
C8076	F1G1C104A116	S.M.CAP	16V	100nF
C8077	F1G1C104A116	S.M.CAP	16V	100nF
C8078	F1G1C104A116	S.M.CAP	16V	100nF
C8079	F1G1C104A116	S.M.CAP	16V	100nF
C8082	F1J1A106A043	S.M.CAP	10V	10μF
C8083	F1H0J2250008	CERAMIC	6.3V	2200nF
C8084	F1J1A106A043	S.M.CAP	10V	10μF
C8085	F1J1A106A043	S.M.CAP	10V	10μF
C8087	F1G1C104A116	S.M.CAP	16V	100nF
C8088	F1G1C104A116	S.M.CAP	16V	100nF
C8089	F1G1C104A116	S.M.CAP	16V	100nF
C8090	F1G1C104A116	S.M.CAP	16V	100nF
C8091	F1G1C104A116	S.M.CAP	16V	100nF
C8092	F1G1C104A116	S.M.CAP	16V	100nF
C8094	F1G1C104A116	S.M.CAP	16V	100nF
C8096	F1G1C104A116	S.M.CAP	16V	100nF
C8099	F1J1A106A043	S.M.CAP	10V	10μF
C8100	F1J1A106A043	S.M.CAP	10V	10μF
C8101	F1J1A106A043	S.M.CAP	10V	10μF
C8102	F1J1A106A043	S.M.CAP	10V	10μF
C8103	F1J1A106A043	S.M.CAP	10V	10μF
C8104	F1J1A106A043	S.M.CAP	10V	10μF
C8105	F1J1A106A043	S.M.CAP	10V	10μF
C8106	F1H0J2250008	CERAMIC	6.3V	2200nF
C8107	F1H0J2250008	CERAMIC	6.3V	2200nF
C8108	F1J1A106A043	S.M.CAP	10V	10μF
C8109	F1G1C104A116	S.M.CAP	16V	100nF
C8110	F1G1C104A116	S.M.CAP	16V	100nF
C8111	F1G1C104A116	S.M.CAP	16V	100nF
C8112	F1G1C104A116	S.M.CAP	16V	100nF
C8113	F1G1C104A116	S.M.CAP	16V	100nF
C8114	F1G1C104A116	S.M.CAP	16V	100nF
C8115	F1G1C104A116	S.M.CAP	16V	100nF
C8116	F1G1C104A116	S.M.CAP	16V	100nF
C8117	F1G1C104A116	S.M.CAP	16V	100nF
C8118	F1G1H5R0A732	S.M.CAP	50V	5pF
C8119	F1G1C104A116	S.M.CAP	16V	100nF
C8120	F1G1C104A116	S.M.CAP	16V	100nF
C8121	F1G1C104A116	S.M.CAP	16V	100nF
C8122	F1G1C104A116	S.M.CAP	16V	100nF
C8123	F1G1C104A116	S.M.CAP	16V	100nF
C8124	F1G1C104A116	S.M.CAP	16V	100nF
C8126	F1G1C104A116	S.M.CAP	16V	100nF
C8127	F1G1C104A116	S.M.CAP	16V	100nF
C8128	F1G1C104A116	S.M.CAP	16V	100nF
C8129	F1G1C104A116	S.M.CAP	16V	100nF
C8130	F1G1C104A116	S.M.CAP	16V	100nF
C8131	F1G1C104A116	S.M.CAP	16V	100nF
C8132	F1G1C104A116	S.M.CAP	16V	100nF
C8133	F1G1C104A116	S.M.CAP	16V	100nF
C8134	F1G1C104A116	S.M.CAP	16V	100nF
C8135	F1G1H5R0A732	S.M.CAP	50V	5pF
C8136	F1G1C104A116	S.M.CAP	16V	100nF
C8137	F1G1C104A116	S.M.CAP	16V	100nF
C8138	F1G1C104A116	S.M.CAP	16V	100nF
C8139	F1G1C104A116	S.M.CAP	16V	100nF
C8140	F1G1C104A116	S.M.CAP	16V	100nF

Cct Ref	Parts Number	Description		
C8141	F1G1C104A116	S.M.CAP	16V	100nF
C8142	F1G1C104A116	S.M.CAP	16V	100nF
C8143	F1G1C104A116	S.M.CAP	16V	100nF
C8144	F1G1C104A116	S.M.CAP	16V	100nF
C8145	F1G1C104A116	S.M.CAP	16V	100nF
C8146	F1G1C104A116	S.M.CAP	16V	100nF
C8147	F1G1C104A116	S.M.CAP	16V	100nF
C8148	F1G1A105A047	S.M.CAP	10V	1000nF
C8149	F1G1A105A047	S.M.CAP	10V	1000nF
C8150	F1G1H8R0A732	S.M.CAP	50V	8pF
C8151	F1G1H8R0A732	S.M.CAP	50V	8pF
C8154	F1G1C103A116	S.M.CAP	16V	10nF
C8155	F1G1H120A731	S.M.CAP	50V	12pF
C8156	F1G1HR50A577	S.M.CAP	50V	0.5pF
C8157	F1G1C104A116	S.M.CAP	16V	100nF
C8158	F1G1C104A116	S.M.CAP	16V	100nF
C8159	F1J1A106A043	S.M.CAP	10V	10μF
C8160	F1H1A1050002	CERAMIC	10V	1μF
C8163	F1G1H100A731	S.M.CAP	50V	10pF
C8240	F1G1C104A116	S.M.CAP	16V	100nF
C8241	F1G1C104A116	S.M.CAP	16V	100nF
C8242	F1G1C104A116	S.M.CAP	16V	100nF
C8243	F1G1H3R0A732	S.M.CAP	50V	3pF
C8246	F1G1A105A047	S.M.CAP	10V	1000nF
C8247	F1G1C104A116	S.M.CAP	16V	100nF
C8248	F1G1C104A116	S.M.CAP	16V	100nF
C8249	F1G1C104A116	S.M.CAP	16V	100nF
C8250	F1G1C104A116	S.M.CAP	16V	100nF
C8251	ECGRL0G680ER	ELECT	4V	68μF
C8252	F1J1A106A087	S.M.CAP	10V	10μF
C8253	F1G1C104A116	S.M.CAP	16V	100nF
C8254	F1G1A105A047	S.M.CAP	10V	1000nF
C8255	F1G1A105A047	S.M.CAP	10V	1000nF
C8256	F1G1A105A047	S.M.CAP	10V	1000nF
C8257	F1G1C104A116	S.M.CAP	16V	100nF
C8258	F1G1C104A116	S.M.CAP	16V	100nF
C8259	F1G1A105A047	S.M.CAP	10V	1000nF
C8260	F1G1C104A116	S.M.CAP	16V	100nF
C8261	F1G1C104A116	S.M.CAP	16V	100nF
C8262	F1G1C104A116	S.M.CAP	16V	100nF
C8263	F1G1A105A047	S.M.CAP	10V	1000nF
C8264	F1G1A105A047	S.M.CAP	10V	1000nF
C8265	F1G1C104A116	S.M.CAP	16V	100nF
C8266	F1G1C104A116	S.M.CAP	16V	100nF
C8267	F1G1C104A116	S.M.CAP	16V	100nF
C8268	F1G1C104A116	S.M.CAP	16V	100nF
C8269	F1G1C104A116	S.M.CAP	16V	100nF
C8270	F1G1C104A116	S.M.CAP	16V	100nF
C8271	ECGRL0G680ER	ELECT	4V	68μF
C8272	F1J1A106A087	S.M.CAP	10V	10μF
C8273	F1G1A105A047	S.M.CAP	10V	1000nF
C8274	F1G1C104A116	S.M.CAP	16V	100nF
C8275	F1G1A105A047	S.M.CAP	10V	1000nF
C8276	F1G1C104A116	S.M.CAP	16V	100nF
C8277	F1G1C104A116	S.M.CAP	16V	100nF
C8278	F1G1A105A047	S.M.CAP	10V	1000nF
C8279	F1G1C104A116	S.M.CAP	16V	100nF
C8280	F1G1C104A116	S.M.CAP	16V	100nF
C8281	F1G1A105A047	S.M.CAP	10V	1000nF
C8282	F1G1C104A116	S.M.CAP	16V	100nF
C8283	F1G1A105A047	S.M.CAP	10V	1000nF
C8284	F1G1A105A047	S.M.CAP	10V	1000nF
C8285	F1G1A105A047	S.M.CAP	10V	1000nF
C8286	F1G1A105A047	S.M.CAP	10V	1000nF
C8289	F1G1C104A116	S.M.CAP	16V	100nF
C8290	F1G1C104A116	S.M.CAP	16V	100nF
C8291	F1G1C104A116	S.M.CAP	16V	100nF
C8292	F1G1C104A116	S.M.CAP	16V	100nF

Cct Ref	Parts Number	Description		
C8293	F1G1C104A116	S.M.CAP	16V	100nF
C8300	F1G1C104A116	S.M.CAP	16V	100nF
C8301	F1G1C104A116	S.M.CAP	16V	100nF
C8303	F1G1C104A116	S.M.CAP	16V	100nF
C8304	F1G1H100A731	S.M.CAP	50V	10pF
C8305	F1G1H100A731	S.M.CAP	50V	10pF
C8306	F1G1C104A116	S.M.CAP	16V	100nF
C8308	F1G1C104A116	S.M.CAP	16V	100nF
C8309	F1G1C104A116	S.M.CAP	16V	100nF
C8310	F1G1C104A116	S.M.CAP	16V	100nF
C8311	F1J1A106A087	S.M.CAP	10V	10μF
C8314	F1G1C104A116	S.M.CAP	16V	100nF
C8315	F1G1C104A116	S.M.CAP	16V	100nF
C8316	F1G1C104A116	S.M.CAP	16V	100nF
C8317	F1G1C104A116	S.M.CAP	16V	100nF
C8318	F1G1C104A116	S.M.CAP	16V	100nF
C8319	F1G1C104A116	S.M.CAP	16V	100nF
C8320	F1H1A105A025	S.M.CAP	10V	1μF
C8321	F1H1A225A051	S.M.CAP	10V	2200nF
C8322	F1G1C104A116	S.M.CAP	16V	100nF
C8324	F1G1H560A731	S.M.CAP	50V	56pF
C8325	F1G1H560A731	S.M.CAP	50V	56pF
C8400	F1G1C104A116	S.M.CAP	16V	100nF
C8401	F1G1C104A116	S.M.CAP	16V	100nF
C8402	F1G1C104A116	S.M.CAP	16V	100nF
C8403	F1G1C104A116	S.M.CAP	16V	100nF
C8404	F1G1C104A116	S.M.CAP	16V	100nF
C8405	F1G1C104A116	S.M.CAP	16V	100nF
C8406	F1G1C104A116	S.M.CAP	16V	100nF
C8407	F1G1C104A116	S.M.CAP	16V	100nF
C8408	F1G1C104A116	S.M.CAP	16V	100nF
C8409	F1G1C104A116	S.M.CAP	16V	100nF
C8410	F1G1C104A116	S.M.CAP	16V	100nF
C8411	F2H1A101A009	ELECT	10V	100μF
C8412	F1G1C104A116	S.M.CAP	16V	100nF
C8413	F1G1E103A123	S.M.CAP	25V	10nF
C8414	F1G1E103A123	S.M.CAP	25V	10nF
C8415	F1G1C104A116	S.M.CAP	16V	100nF
C8600	F1G1H102A730	S.M.CAP	50V	1nF
C8701	F1J1A106A087	S.M.CAP	10V	10μF
C8702	F1G1C104A116	S.M.CAP	16V	100nF
C8711	F1J1A106A087	S.M.CAP	10V	10μF
C8712	F1G1C104A116	S.M.CAP	16V	100nF
C8713	F1G1C104A116	S.M.CAP	16V	100nF
C8714	F1G1H101A731	S.M.CAP	50V	100pF
C8717	F1J1A106A087	S.M.CAP	10V	10μF
C8718	F1G1C104A116	S.M.CAP	16V	100nF
C8719	F1G1C104A116	S.M.CAP	16V	100nF
C8720	F1G1C104A116	S.M.CAP	16V	100nF
C8721	F1G1C104A116	S.M.CAP	16V	100nF
C8722	F1J1A106A087	S.M.CAP	10V	10μF
C8726	F1J1A106A087	S.M.CAP	10V	10μF
C8727	F1G1C104A116	S.M.CAP	16V	100nF
C8728	EEHBOJ221UP	ELECT	6.3V	220μF
C8731	F1G1C104A116	S.M.CAP	16V	100nF
C8739	F1G1C103A116	S.M.CAP	16V	10nF
C8740	F1J1A106A087	S.M.CAP	10V	10μF
C8741	F1G1A105A047	S.M.CAP	10V	1000nF
C8742	F1G1A105A047	S.M.CAP	10V	1000nF
C8744	EEHBOJ221UP	ELECT	6.3V	220μF
C8747	F1G1C104A116	S.M.CAP	16V	100nF
C8801	F1G1C104A116	S.M.CAP	16V	100nF
C8803	F1G1C104A116	S.M.CAP	16V	100nF
C8853	F1G1C104A116	S.M.CAP	16V	100nF
C8854	F1G1C104A116	S.M.CAP	16V	100nF
C8860	F2G1C470A022	ELECT	16V	47μF
C8861	F1G1C104A116	S.M.CAP	16V	100nF
C8862	F1G1C103A116	S.M.CAP	16V	10nF

Cct Ref	Parts Number	Description		
C8863	F1J0G226A001	S.M.CAP	4V	22μF
C8878	F1G1H471A730	S.M.CAP	50V	470pF
C8879	F1G1H471A730	S.M.CAP	50V	470pF
C8922	F1G1C104A116	S.M.CAP	16V	100nF
C8923	F1G1C104A116	S.M.CAP	16V	100nF
C8950	F1G1C103A116	S.M.CAP	16V	10nF
C9001	F1H1H103A970	S.M.CAP	50V	10nF
C9002	F1K1E4750002	S.M.CAP	25V	4700nF
C9003	F1K1E4750002	S.M.CAP	25V	4700nF
C9028	F1G1H150A731	S.M.CAP	50V	15pF
C9029	F1G1H180A731	S.M.CAP	50V	18pF
C9033	F1H0J1050013	CERAMIC	6.3V	1μF
C9036	F1J1A106A087	S.M.CAP	10V	10μF
C9037	F1G1C104A116	S.M.CAP	16V	100nF
C9038	F1G1C104A116	S.M.CAP	16V	100nF
C9039	F1G1C104A116	S.M.CAP	16V	100nF
C9040	F1G1C104A116	S.M.CAP	16V	100nF
C9041	F1G1C104A116	S.M.CAP	16V	100nF
C9042	F1J1A106A087	S.M.CAP	10V	10μF
C9043	F1J1A106A087	S.M.CAP	10V	10μF
C9044	F1H0J1050013	CERAMIC	6.3V	1μF
C9045	F1H0J1050013	CERAMIC	6.3V	1μF
C9046	F1G1C104A116	S.M.CAP	16V	100nF
C9047	F1G1C104A116	S.M.CAP	16V	100nF
C9048	F1G1C104A116	S.M.CAP	16V	100nF
C9049	F1G1C104A116	S.M.CAP	16V	100nF
C9050	F1G1C104A116	S.M.CAP	16V	100nF
C9051	F1G1C104A116	S.M.CAP	16V	100nF
C9052	F1J1A106A087	S.M.CAP	10V	10μF
C9053	F1G1C104A116	S.M.CAP	16V	100nF
C9054	F1G1C104A116	S.M.CAP	16V	100nF
C9055	F1G1C104A116	S.M.CAP	16V	100nF
C9056	F1G1C104A116	S.M.CAP	16V	100nF
C9057	F1G1C104A116	S.M.CAP	16V	100nF
C9058	F1G1C104A116	S.M.CAP	16V	100nF
C9059	F1J1A106A087	S.M.CAP	10V	10μF
C9060	F1H0J1050013	CERAMIC	6.3V	1μF
C9061	F1H0J1050013	CERAMIC	6.3V	1μF
C9062	F1G1C104A116	S.M.CAP	16V	100nF
C9063	F1G1C104A116	S.M.CAP	16V	100nF
C9064	F1G1C104A116	S.M.CAP	16V	100nF
C9065	F1G1C104A116	S.M.CAP	16V	100nF
C9066	F1G1C104A116	S.M.CAP	16V	100nF
C9067	F1G1C104A116	S.M.CAP	16V	100nF
C9068	F1J0J106A004	S.M.CAP	6.3V	10μF
C9069	F1G1C104A116	S.M.CAP	16V	100nF
C9070	F1G1C104A116	S.M.CAP	16V	100nF
C9071	F1G1C104A116	S.M.CAP	16V	100nF
C9072	F1G1C104A116	S.M.CAP	16V	100nF
C9073	F1H0J1050013	CERAMIC	6.3V	1μF
C9074	F1G1C104A116	S.M.CAP	16V	100nF
C9075	F1G1C104A116	S.M.CAP	16V	100nF
C9076	F1G1C104A116	S.M.CAP	16V	100nF
C9077	F1G1C104A116	S.M.CAP	16V	100nF
C9078	F1J0J106A004	S.M.CAP	6.3V	10μF
C9079	F1G1C104A116	S.M.CAP	16V	100nF
C9080	F1G1C104A116	S.M.CAP	16V	100nF
C9081	F1G1C104A116	S.M.CAP	16V	100nF
C9082	F1G1C104A116	S.M.CAP	16V	100nF
C9083	F1H0J1050013	CERAMIC	6.3V	1μF
C9084	F1G1C104A116	S.M.CAP	16V	100nF
C9085	F1G1C104A116	S.M.CAP	16V	100nF
C9086	F1G1C104A116	S.M.CAP	16V	100nF
C9087	F1G1C104A116	S.M.CAP	16V	100nF
C9088	F1G1C104A116	S.M.CAP	16V	100nF
C9089	F1G1C104A116	S.M.CAP	16V	100nF
C9090	F1G1C104A116	S.M.CAP	16V	100nF
C9091	F1G1C104A116	S.M.CAP	16V	100nF

Cct Ref	Parts Number	Description		
C9092	F1G1C104A116	S.M.CAP	16V	100nF
C9093	F1G1C104A116	S.M.CAP	16V	100nF
C9094	F1G1C104A116	S.M.CAP	16V	100nF
C9095	F1G1C104A116	S.M.CAP	16V	100nF
C9097	F1G1C104A116	S.M.CAP	16V	100nF
C9098	F1G1C104A116	S.M.CAP	16V	100nF
C9099	F1G1C103A116	S.M.CAP	16V	10nF
C9100	F1G1H102A730	S.M.CAP	50V	1nF
C9101	F1J1A475A087	S.M.CAP	10V	4.7µF
C9102	F1H1C105A145	S.M.CAP	16V	1000nF
C9103	F1G1H102A730	S.M.CAP	50V	1nF
C9104	F1H1C104A143	S.M.CAP	16V	100nF
C9105	F1H1C104A143	S.M.CAP	16V	100nF
C9106	F1K1E106A136	S.M.CAP	25V	10µF
C9107	F1K1E106A136	S.M.CAP	25V	10µF
C9108	F1K1E106A136	S.M.CAP	25V	10µF
C9109	F1K1E106A136	S.M.CAP	25V	10µF
C9112	F1K0J226A008	S.M.CAP	6.3V	22µF
C9113	F1K0J226A008	S.M.CAP	6.3V	22µF
C9114	F1K0J226A008	S.M.CAP	6.3V	22µF
C9115	F1K0J226A008	S.M.CAP	6.3V	22µF
C9116	F1K0J226A008	S.M.CAP	6.3V	22µF
C9117	F1K0J226A008	S.M.CAP	6.3V	22µF
C9119	F1J1E105A231	S.M.CAP	25V	1µF
C9125	F1G1C103A116	S.M.CAP	16V	10nF
C9126	F1G1C104A116	S.M.CAP	16V	100nF
C9127	F1G1C104A116	S.M.CAP	16V	100nF
C9128	F1G1C104A116	S.M.CAP	16V	100nF
C9129	F1G1C104A116	S.M.CAP	16V	100nF
C9130	F1G1C104A116	S.M.CAP	16V	100nF
C9131	F1G1C104A116	S.M.CAP	16V	100nF
C9132	F1G1C104A116	S.M.CAP	16V	100nF
C9133	F1G1C104A116	S.M.CAP	16V	100nF
C9134	F1G1C104A116	S.M.CAP	16V	100nF
C9135	F1G1C104A116	S.M.CAP	16V	100nF
C9136	F1G1C104A116	S.M.CAP	16V	100nF
C9137	F1G1C104A116	S.M.CAP	16V	100nF
C9138	F1G1C104A116	S.M.CAP	16V	100nF
C9139	F1G1C104A116	S.M.CAP	16V	100nF
C9140	F1G1C104A116	S.M.CAP	16V	100nF
C9141	F1G1C104A116	S.M.CAP	16V	100nF
C9142	F1G1C104A116	S.M.CAP	16V	100nF
C9143	F1G1C104A116	S.M.CAP	16V	100nF
C9144	F1G1C104A116	S.M.CAP	16V	100nF
C9145	F1G1C104A116	S.M.CAP	16V	100nF
C9146	F1G1C104A116	S.M.CAP	16V	100nF
C9147	F1G1C104A116	S.M.CAP	16V	100nF
C9152	F1G1C104A116	S.M.CAP	16V	100nF
C9153	F1G1C104A116	S.M.CAP	16V	100nF
C9154	F1G1C104A116	S.M.CAP	16V	100nF
C9201	F1G1C104A116	S.M.CAP	16V	100nF
C9202	F1G1C104A116	S.M.CAP	16V	100nF
C9203	F1G1C104A116	S.M.CAP	16V	100nF
C9204	F1G1C104A116	S.M.CAP	16V	100nF
C9205	F1G1C104A116	S.M.CAP	16V	100nF
C9206	F1G1C104A116	S.M.CAP	16V	100nF
C9207	F1G1C104A116	S.M.CAP	16V	100nF
C9208	F1G1C104A116	S.M.CAP	16V	100nF
C9209	F1G1C104A116	S.M.CAP	16V	100nF
C9210	F1G1C104A116	S.M.CAP	16V	100nF
C9211	F1G1C104A116	S.M.CAP	16V	100nF
C9212	F1G1C104A116	S.M.CAP	16V	100nF
C9213	F1G1C104A116	S.M.CAP	16V	100nF
C9214	F1G1C104A116	S.M.CAP	16V	100nF
C9215	F1G1C104A116	S.M.CAP	16V	100nF
C9216	F1G1C104A116	S.M.CAP	16V	100nF
C9217	F1G1C104A116	S.M.CAP	16V	100nF
C9218	F1G1C104A116	S.M.CAP	16V	100nF

Cct Ref	Parts Number	Description		
C9219	F1G1C104A116	S.M.CAP	16V	100nF
C9220	F1G1C104A116	S.M.CAP	16V	100nF
C9221	F1G1C104A116	S.M.CAP	16V	100nF
C9222	F1G1C104A116	S.M.CAP	16V	100nF
C9223	F1G1C104A116	S.M.CAP	16V	100nF
C9224	F1G1C104A116	S.M.CAP	16V	100nF
C9225	F1G1C104A116	S.M.CAP	16V	100nF
C9226	F1G1C104A116	S.M.CAP	16V	100nF
C9227	F1G1C104A116	S.M.CAP	16V	100nF
C9228	F1G1C104A116	S.M.CAP	16V	100nF
C9229	F1G1C104A116	S.M.CAP	16V	100nF
C9230	F1G1C104A116	S.M.CAP	16V	100nF
C9231	F1G1C104A116	S.M.CAP	16V	100nF
C9232	F1G1C104A116	S.M.CAP	16V	100nF
C9233	F1G1C104A116	S.M.CAP	16V	100nF
C9234	F1G1H150A731	S.M.CAP	50V	15pF
C9235	F1G1H150A731	S.M.CAP	50V	15pF
C9236	F1G1C104A116	S.M.CAP	16V	100nF
C9237	F1J1A106A087	S.M.CAP	10V	10µF
C9238	F1J1A106A087	S.M.CAP	10V	10µF
C9239	F1G1C104A116	S.M.CAP	16V	100nF
C9240	F1G1C104A116	S.M.CAP	16V	100nF
C9241	F1K1E106A136	S.M.CAP	25V	10µF
C9242	F1L1H105A059	S.M.CAP	50V	1000nF
C9243	F1K1E106A136	S.M.CAP	25V	10µF
C9247	F1H1C105A145	S.M.CAP	16V	1000nF
C9248	F1J1E105A231	S.M.CAP	25V	1µF
C9249	F1L1H105A059	S.M.CAP	50V	1000nF
C9250	F1G1H220A731	S.M.CAP	50V	22pF
C9251	F1K1E106A136	S.M.CAP	25V	10µF
C9252	F1K1E106A136	S.M.CAP	25V	10µF
C9254	F1K1E106A136	S.M.CAP	25V	10µF
C9255	F1J1A106A087	S.M.CAP	10V	10µF
C9256	F1H1H104A970	S.M.CAP	50V	100nF
C9257	F1J1A106A087	S.M.CAP	10V	10µF
C9258	F1J1A106A087	S.M.CAP	10V	10µF
C9259	F1J1A106A087	S.M.CAP	10V	10µF
C9260	F1H1E104A129	S.M.CAP	25V	100nF
C9261	F1J1C474A104	S.M.CAP	16V	470nF
C9262	F1H1H104A970	S.M.CAP	50V	100nF
C9263	F1K1E106A136	S.M.CAP	25V	10µF
C9264	F1K1E106A136	S.M.CAP	25V	10µF
C9265	F1K1E106A136	S.M.CAP	25V	10µF
C9266	F1K1E106A136	S.M.CAP	25V	10µF
C9267	F1K1E106A136	S.M.CAP	25V	10µF
C9268	F1H1E104A129	S.M.CAP	25V	100nF
C9269	F1H1H223A970	S.M.CAP	50V	22nF
C9270	F1H1E104A129	S.M.CAP	25V	100nF
C9271	F1G1H102A730	S.M.CAP	50V	1nF
C9272	F1K1E106A136	S.M.CAP	25V	10µF
C9273	F1G1H102A730	S.M.CAP	50V	1nF
C9274	F1H1H104A970	S.M.CAP	50V	100nF
C9275	F1K1E106A136	S.M.CAP	25V	10µF
C9276	F1H1H104A970	S.M.CAP	50V	100nF
C9277	F1H1H104A970	S.M.CAP	50V	100nF
C9278	F1H1H223A970	S.M.CAP	50V	22nF
C9279	F1G1H221A731	S.M.CAP	50V	220pF
C9280	F1G1H152A730	S.M.CAP	50V	1.5nF
C9283	F1H1H104A970	S.M.CAP	50V	100nF
C9284	F1J1E105A231	S.M.CAP	25V	1µF
C9285	F1K1E106A136	S.M.CAP	25V	10µF
C9286	F1K1E106A136	S.M.CAP	25V	10µF
C9287	F1H1H104A970	S.M.CAP	50V	100nF
C9288	F1K1E106A136	S.M.CAP	25V	10µF
C9289	F1H1H104A970	S.M.CAP	50V	100nF
C9290	F1K1E106A136	S.M.CAP	25V	10µF
C9291	F1G1H121A731	S.M.CAP	50V	120pF
C9292	F1K1H475A210	S.M.CAP	50V	4700nF



Cct Ref	Parts Number	Description		
C9293	F1K1H475A210	S.M.CAP	50V	4700nF
C9297	F1G1C104A116	S.M.CAP	16V	100nF
C9298	F1K1E106A136	S.M.CAP	25V	10µF
C9299	F1J1A106A043	S.M.CAP	10V	10µF
C9300	F1H1H104A970	S.M.CAP	50V	100nF
C9301	F1H1H103A970	S.M.CAP	50V	10nF
C9302	F1H1E104A129	S.M.CAP	25V	100nF
C9303	F1J1A106A043	S.M.CAP	10V	10µF
C9304	F1K1E106A136	S.M.CAP	25V	10µF
C9305	F1H1H104A970	S.M.CAP	50V	100nF
C9306	F1H1H103A970	S.M.CAP	50V	10nF
C9307	F1H1E104A129	S.M.CAP	25V	100nF
C9308	F1G1C104A116	S.M.CAP	16V	100nF
C9309	F1G1C104A116	S.M.CAP	16V	100nF
C9310	F1G1C104A116	S.M.CAP	16V	100nF
C9311	F1G1C104A116	S.M.CAP	16V	100nF
C9312	F1G1C104A116	S.M.CAP	16V	100nF
C9313	F1G1C104A116	S.M.CAP	16V	100nF
C9314	F1G1C104A116	S.M.CAP	16V	100nF
C9315	F1H1H104A970	S.M.CAP	50V	100nF
C9316	F1H1H104A970	S.M.CAP	50V	100nF
C9317	F1H1H104A970	S.M.CAP	50V	100nF
C9318	F1K1E106A136	S.M.CAP	25V	10µF
C9319	F1K1E106A136	S.M.CAP	25V	10µF
C9325	F1H1H104A970	S.M.CAP	50V	100nF
C9329	F1J1E105A231	S.M.CAP	25V	1µF
C9331	F1H1E104A129	S.M.CAP	25V	100nF
C9333	F1H1H104A970	S.M.CAP	50V	100nF
C9334	F1H1H104A970	S.M.CAP	50V	100nF
C9335	F1K1E106A136	S.M.CAP	25V	10µF
C9336	F1H1H104A970	S.M.CAP	50V	100nF
<b>TERMINALS AND LINKS</b>				
.	K4ZZ01000267	PLUG		
.	K9ZZ00000424	EARTH LUG		
A02	K1KY04AA0719	4P CONNECTOR		
A02-S01	TXJA02QWB-2	A02-S01 WIRE		
A04	K1KY09AA0607	9P CONNECTOR		
A09	K1KA15AA0409	15P CONNECTOR		
A09-P2	TXJA09QWA-2	A09-P2 WIRE		
A10	K1KY08AA0719	8P CONNECTOR		
A10-V10	TXJA10QPB-2	A10-V10 WIRE		
A12	K1KA04AA0190	4P CONNECTOR		
A12-SPK	TXJA12QWB-2	A12-SPK WIRE		
A15	K1KB51BA0074	51P CONNECTOR		
A15-PAN	TXJA15QKD	LVDS WIRE		
CN0100	K1KA08AA0714	8P CONNECTOR		
D3300	K7AAAY000006	OPT TERMINAL		
JK3301	K2HA7YYA0005	YUV, AUDIO I/O TERMINA		
JK3302	K1FY121A0009	SCART TERMINAL		
JK3303	K1FY121A0009	SCART TERMINAL		
JK3304	K1FY315A0005	PC TERMINAL		
JK4700	K1FY119D0012	HDMI CONNECTOR		
JK4701	K1FY119D0012	HDMI CONNECTOR		
JK4702	K1FY119E0015	HDMI CONNECTOR		
JK4703	K1FY119D0012	HDMI CONNECTOR		
JK8401	K1NA68B00053	CI SLOT		
JK8700	K1FY104A0013	USB TERMINAL		
JK8701	K1FY104B0039	USB TERMINAL		
JK8800	K2LC1YYA0012	ETHERNET TERMINAL		
JK8850	K1NA12E00017	SD SLOT		
P1	K1KA03A00608	3P CONNECTOR		
P2	K1KA16AA0658	16P CONNECTOR		
P3	K1KA14AA0082	14P CONNECTOR		
P3-INV	TXJP3MQWB-2	P3-INV WIRE		
P4	K1KA12AA0082	12P CONNECTOR		
P4-INV	TXJP4SQWB-2	P4-INV WIRE		
TC01	K1MN60BA0126	60P CONNECTOR		


Cct Ref	Parts Number	Description		
TC01-PAN	TSXM098	ZWEI FFC WIRE		
TC04	K1MN60BA0126	60P CONNECTOR		
TC04-PAN	TSXM098	ZWEI FFC WIRE		
TC05	K1KB51BA0074	51P CONNECTOR		
TC06	K1KA03B00242	3P CONNECTOR		
TC07	K1KA07BA0014	7P CONNECTOR		
TC08	K1KA09B00112	9P CONNECTOR		
V10	K1KA07B00135	7P CONNECTOR		
<b>RELAYS</b>				
RL800	K6B1AYY00050	RELAY		
RL801	K6B1AYY00050	RELAY		
<b>DIFFERENCES FOR MODEL TX--L42G20E</b>				
<b>EXPLODED VIEW</b>				
26	A-L42G20E	A P.C.B.	X	RTL
27	TTY0E0577	CABINET ASSY		
28	TBM0E2181	MODEL LABEL		
29	TBL0E0112	PEDESTAL ASSY		
<b>INSTRUCTION BOOKS</b>				
.	TQB0E0946A	GERMAN		
.	TQB0E0946B	DUTCH		
.	TQB0E0946C	ITALIAN		
.	TQB0E0946D	FRENCH		
.	TQB0E0946E	SPANISH		
.	TQB0E0946F	SWEDISH		
.	TQB0E0946G	NORWEGIAN		
.	TQB0E0946H	FINNISH		
.	TQB0E0946I	LITHUANIAN		
.	TQB0E0946J	PORTUGUESE		
.	TQB0E0946K	DANISH		
.	TQB0E0946M	BULGARIAN		
.	TQB0E0946N	ROMANIAN		
.	TQB0E0946O	LATVIAN		
.	TQB0E0946P	POLISH		
.	TQB0E0946Q	HUNGARIAN		
.	TQB0E0946R	CZECH		
.	TQB0E0946S	GREEK		
.	TQB0E0946T	TURKISH		
.	TQB0E0946U	ENGLISH		
.	TQB0E0946V	CROATIAN		
.	TQB0E0946W	SLOVAKIAN		
.	TQB0E0946X	CD		
.	TQB0E0946Z	ESTONIAN		
<b>I.C.s</b>				
IC8950	X24CL42G20E	EEPROM LDA2		
<b>DIFFERENCES FOR MODEL TX--L42G20ES</b>				
<b>EXPLODED VIEW</b>				
26	A-L42G20E	A P.C.B.	X	RTL
27	TTY0E0643	CABINET ASSY		
28	TBM0E2316	MODEL LABEL		
29	TBL0E0121	PEDESTAL ASSY		
<b>INSTRUCTION BOOKS</b>				
.	TQB0E0946A	GERMAN		
.	TQB0E0946B	DUTCH		
.	TQB0E0946C	ITALIAN		
.	TQB0E0946D	FRENCH		
.	TQB0E0946E	SPANISH		
.	TQB0E0946F	SWEDISH		
.	TQB0E0946G	NORWEGIAN		
.	TQB0E0946H	FINNISH		
.	TQB0E0946I	LITHUANIAN		
.	TQB0E0946J	PORTUGUESE		
.	TQB0E0946K	DANISH		

Cct Ref	Parts Number	Description	
.	TQB0E0946M	BULGARIAN	△
.	TQB0E0946N	ROMANIAN	△
.	TQB0E0946O	LATVIAN	△
.	TQB0E0946P	POLISH	△
.	TQB0E0946Q	HUNGARIAN	△
.	TQB0E0946R	CZECH	△
.	TQB0E0946S	GREEK	△
.	TQB0E0946T	TURKISH	△
.	TQB0E0946U	ENGLISH	△
.	TQB0E0946V	CROATIAN	△
.	TQB0E0946W	SLOVAKIAN	△
.	TQB0E0946X	CD	△
.	TQB0E0946Z	ESTONIAN	△
<b>I.C.s</b>			
IC8950	X24CL42G20E	EEPROM LDA2	
<b>DIFFERENCES FOR MODEL TX--LF42G20S</b>			
<b>EXPLODED VIEW</b>			
26	A-LF42G20S	A P.C.B.	X RTL △
27	TTY0E0643	CABINET ASSY	△
28	TBM0E2319	MODEL LABEL	△
29	TBL0E0121	PEDESTAL ASSY	△
<b>INSTRUCTION BOOKS</b>			
.	TQB0E0949D	FRENCH	△
.	TQB0E0949U	ENGLISH	△
<b>I.C.s</b>			
IC8950	X24CLF42G20S	EEPROM LDA2	

Cct Ref	Parts Number	Description

# Schematic Diagrams

## IMPORTANT SAFETY NOTICE

Components identified by  mark have special characteristics important for safety. When replacing any of these components, use only manufacturers' specified parts.

### NOTE

1. RESISTOR  
All resistors are carbon  $\frac{1}{4}W$  resistor, unless marked otherwise.  
Unit of resistance is OHM ( $\Omega$ ) (k=1,000, M=1,000,000)
2. CAPACITORS  
All capacitors are ceramic 50V unless marked otherwise.  
Unit of capacitance is  $\mu F$  unless otherwise stated.
3. COIL  
Unit of inductance is  $\mu H$ , unless otherwise stated.

### 4. TEST POINT



Test Point Position

### 5. EARTH SYMBOL



Chassis Earth (Cold)



Line Earth (Hot)

### 6. VOLTAGE MEASUREMENT

Voltage is measured by a D.C. voltmeter.  
Measurement conditions are as follows:  
Power source                      220V-240V AC, 50Hz  
Receiving Signal                Colour Bar signal (RF)  
All customer controls Maximum position

### 7.



Indicates the Video signal path



Indicates the Audio signal path

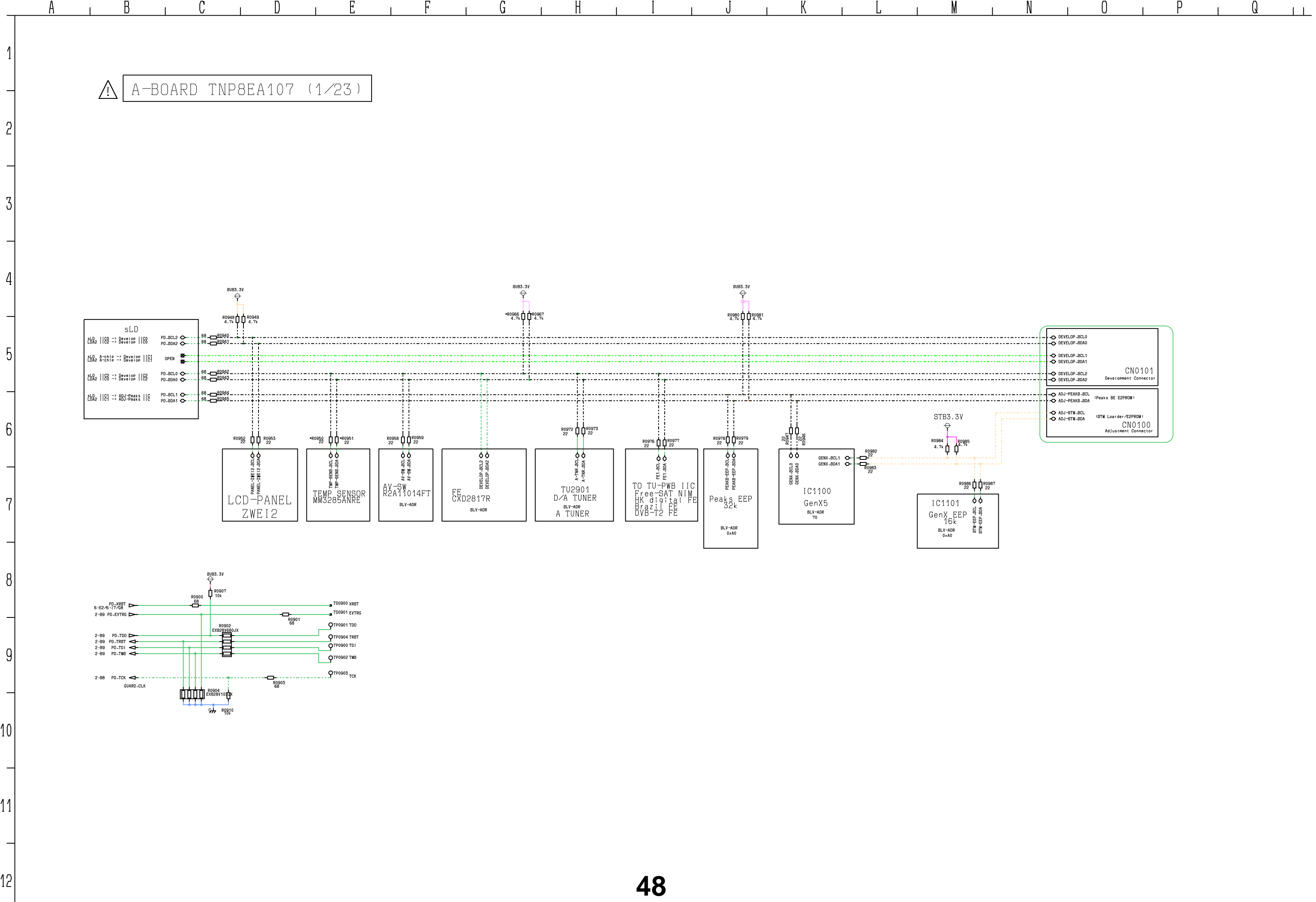
These schematic diagrams are the latest at time of printing and are subject to change without notice.

### REMARKS

- a. Do not touch the hot part, or the hot and cold parts at the same time, as you are liable to a shock hazard.
- b. Do not short circuit the hot and cold circuits as electrical components may be damaged.
- c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously as this may cause fuse failure. Connect the earth of the instruments to the earth connection of the circuit being measured.
- d. Make sure to disconnect the power plug before removing the chassis.

### NOTE

1. The Power Supply Circuit contains a circuit area, which uses a separate power supply to isolate the earth connection. The circuit is defined by HOT and COLD indications in the schematic diagram. All circuits, except the Power Circuit, are COLD.



Command Interface Buffers --> Level shifter IC

CI	SLOT
----	------



[illegible][illegible][illegible]

	PU	PD
CS2	ED inner PU on	
CS3	EA inner PU on	
EAS	Normal Mode	ADMPX Mode

	ON	OFF
1	NAND	NOR
2	STM	

PD-ERRV	RB610	ERR	PD-ERRV	boot_mode[0]	boot_mode_sel[0]
PD-EA10	RB660		PD-EA0	boot_mode[1]	boot_mode_sel[1]
PD-EA1			PD-EA1	boot_mode[11]	boot_mode_sel[12]
PD-EA2			PD-EA2	boot_mode[13]	boot_mode_sel[14]
PD-EA3			PD-EA3	boot_mode[14]	boot_mode_sel[15]
PD-EA4			PD-EA4	clk_mode[0]	clk_mode_sel[0]
PD-EA5			PD-EA5	clk_mode[1]	clk_mode_sel[1]
PD-EA6			PD-EA6	rsrvl_init	use_PCI_#ram
PD-EA7			PD-EA7	rsrvl_init	acti_host_sel[0]
PD_XNFCPE	YB606		XNFCPE	vxco_ext_sel	ecik_mode[0]
				ecik_mode[1]	crvtest_99
PD_XNFWF	YB609		XNFWF		crvtest_99
PD_XNFRF	YB611		XNFRF		rom_boot_size[0]
PD_XNFALE	YB612		XNFALE	boot_stm	rom_boot_size[1]
PD-EA24	RB680		PD-EA24		mode_sel_sart1
PD_XNFCLE	YB612		XNFCLE		
PD_XNFWP	YB613		XNFWP		

PD\_XEWE1 R8644 68  
PD\_ESZ0 R8623 68  
PD\_ESZ1 R8624 68

AA\_XEWE1 clk\_mode12  
AA\_ESZ0 clk\_mode13  
AA\_ESZ1 clk\_mode15

S2	S1	CLK1 (70pIn)	CLK2 (60pIn)	27MHz REF (90pIn)	CLK3 (100pIn)	CLK4 (110pIn)
0	0	74.25M	25M	27M	24.000M	33.333M
0	1	74.25M	25M	27M	12.000M	33.333M
0	1	74.175824M	25M	27M	12.000M	33.333M
0	1	74.175824M	25M	27M	12.000M	33.333M
1	0	74.25M	25M	27M	24.576M	33.333M
1	0	74.25M	OFF	27M	24.000M	33.333M
1	1	74.175824M	25M	27M	24.576M	33.333M
1	1	74.175824M	25M	27M	4.9152M	33.333M

PEAKS-LDA2      DEVICE CLK

→ USB-12M-2 D5

[illegible]

PD-CK74A 201-BB

---

	TPI
	TPI
	TPI
	TPI

## 705400

[illegible]

TPB102

TPB103

\_\_\_\_\_

```
1 boot-mode=sel |2|
3 boot-mode=sel |3|
4 boot-mode=sel |4|
5 sel-mode |5|
```

```
use-PCI-raw
pci-host-sel-raw
el ecik-model01
01 ecik-model11
```

```
pcitest-sg
ram-boot-size|0|
ram-boot-size|1|
mode-sel-soft
```

```
l2]      clk_model2]
l3]      clk_model3]
l4]      clk_model4]
```

[illegible][illegible]

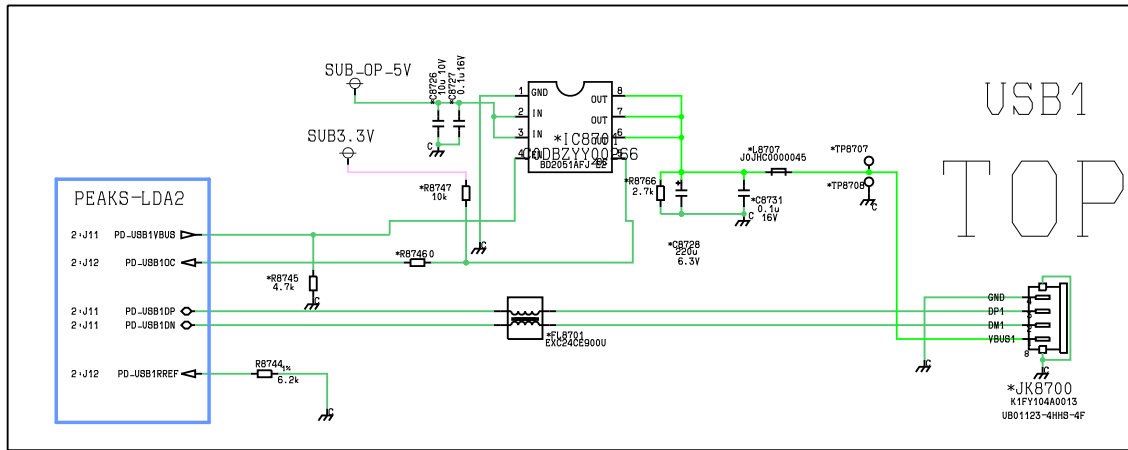
0.1uF 16V  
C2077  
PA\_VREFL 1F201 P

10V 10uF  
C2078  
PA\_VREFH 1V5 201 P

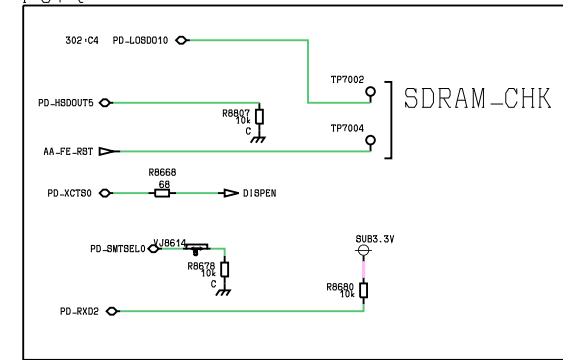
10V 10uF  
C2079  
PA\_VREG 201 P

⚠ A-BOARD TNP8EA107 (4/23)

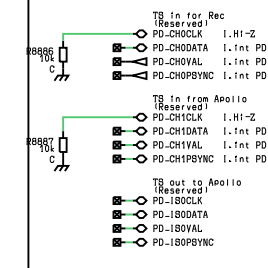
## USB I/F



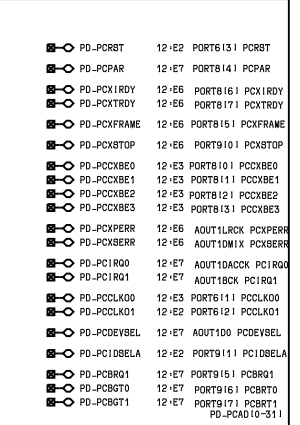
## Port



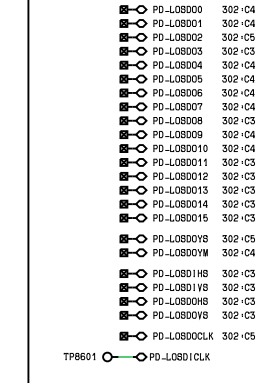
## TS I/F (Reserved)



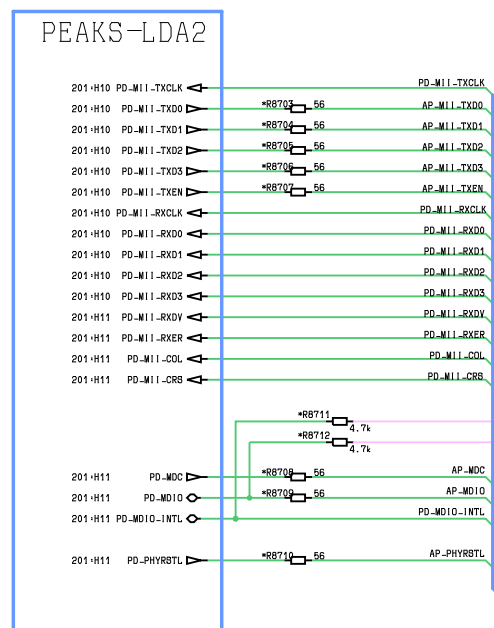
## PCI I/F (Reserved)



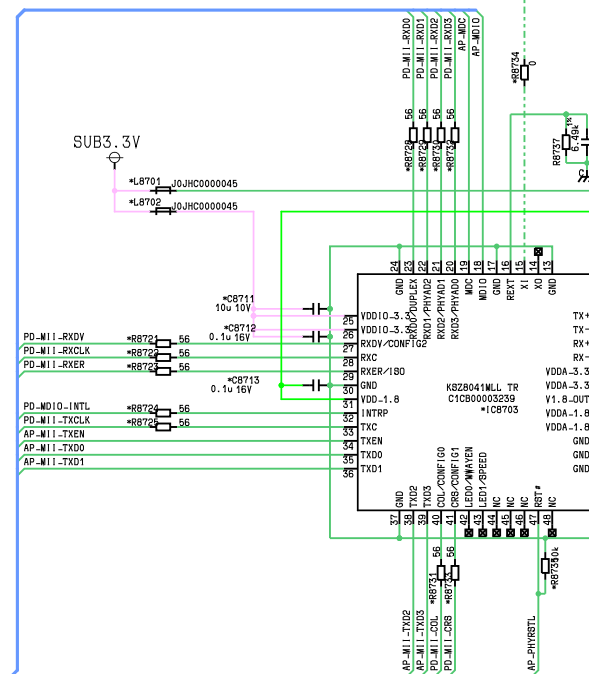
## LOSD I/F (Reserved)



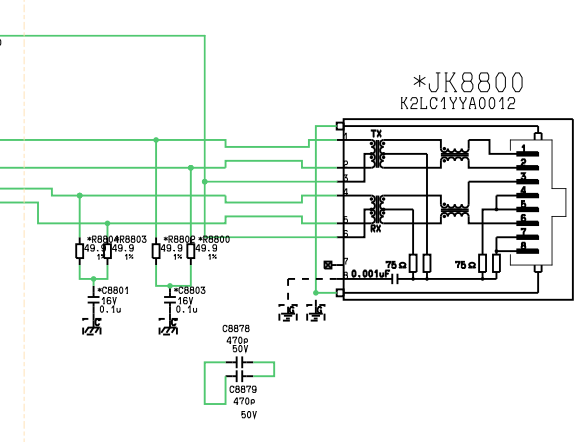
## LAN



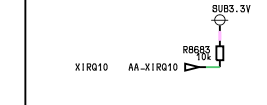
## ETHER-25M



## RJ45/TRANS

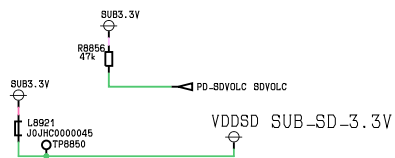


## For LCD

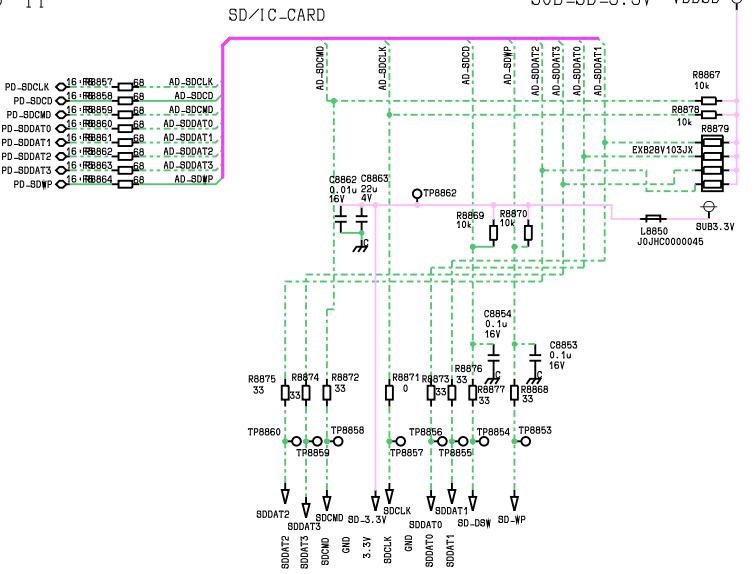


USE SD-IF

SD-POWER

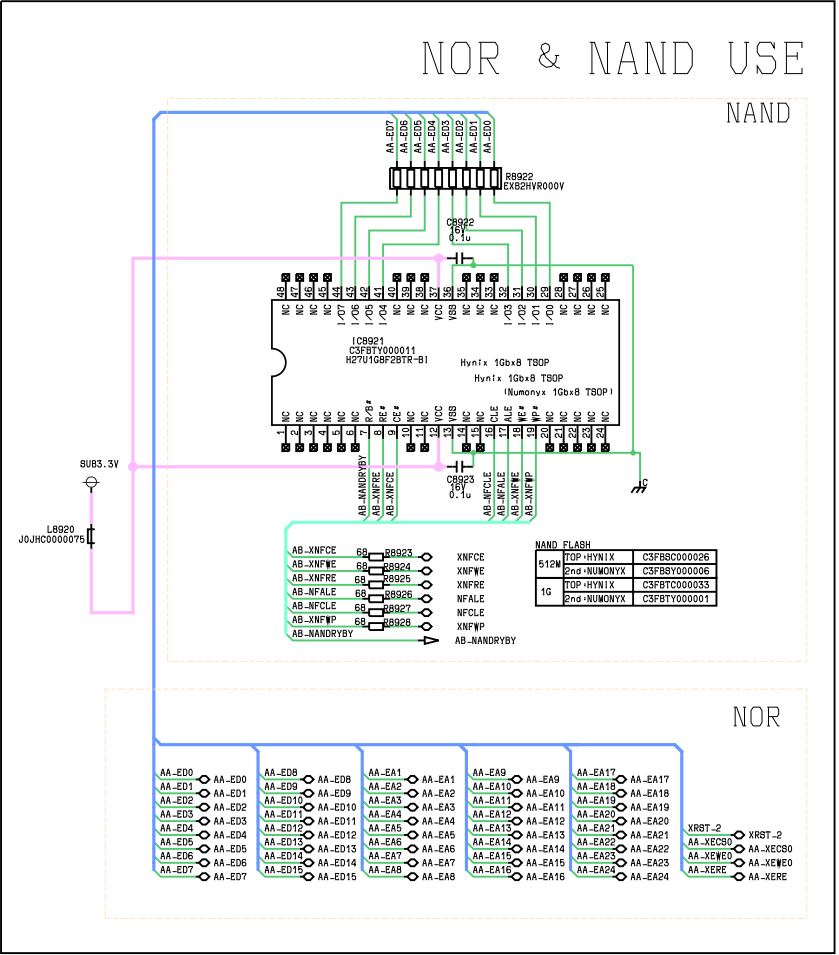


SD-IF



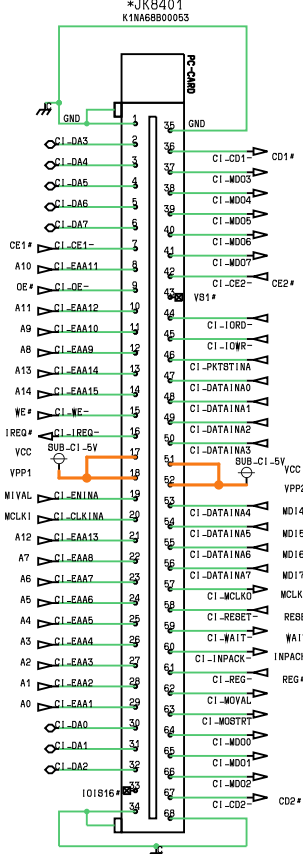
NOR & NAND USE

NAND

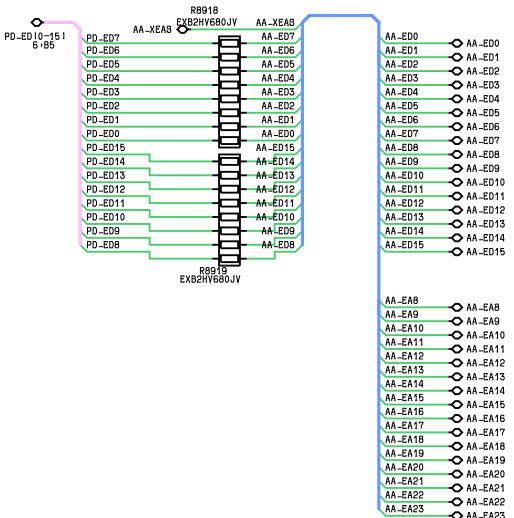


NOR

CI CONNECTOR



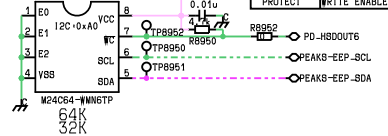
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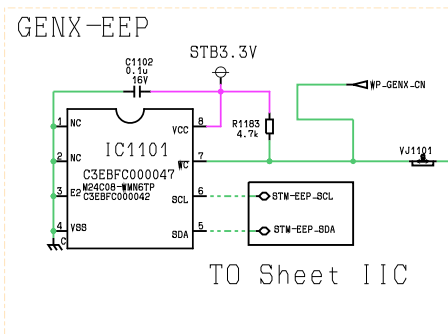
EEPROM

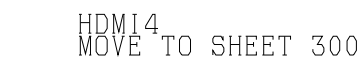
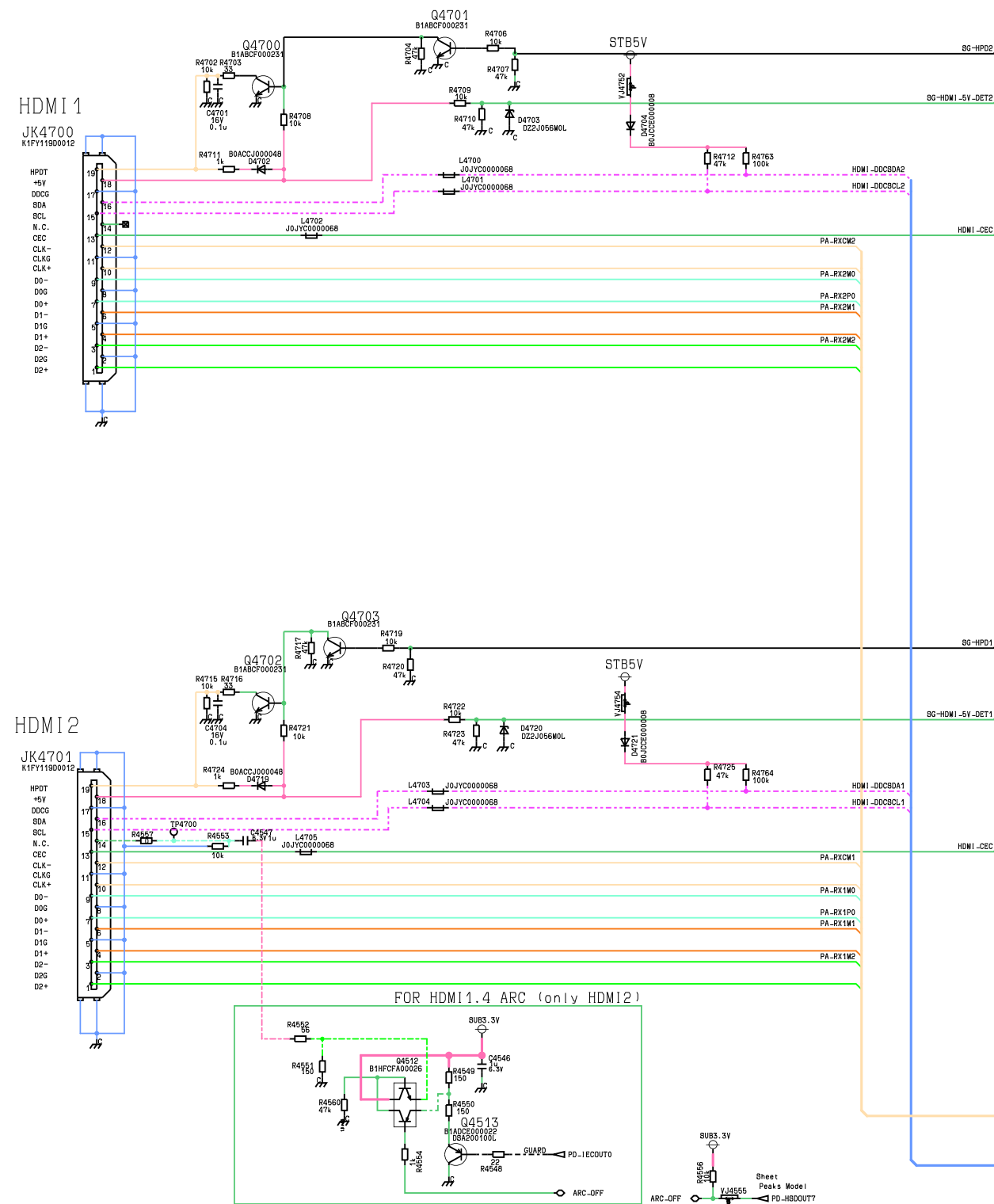
\*IC8950

C3EBJC000055



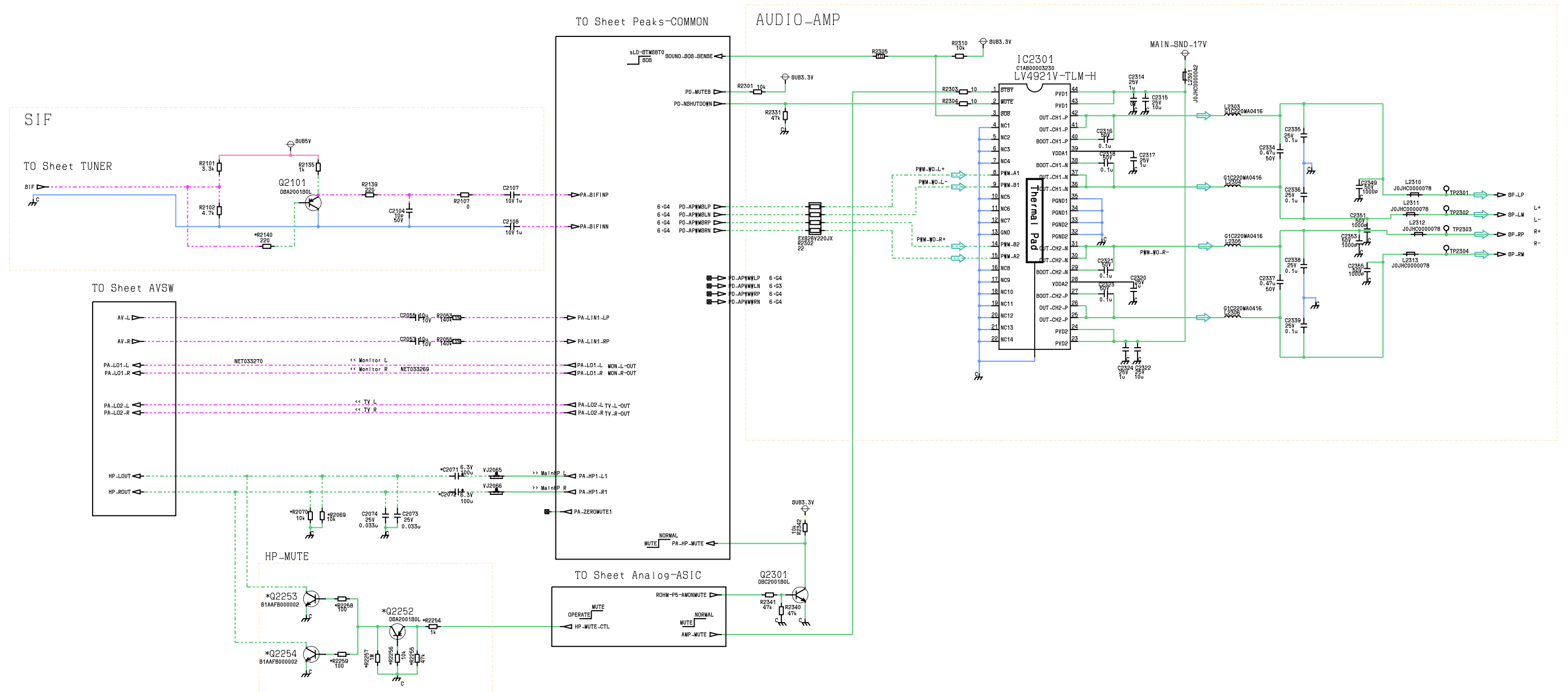




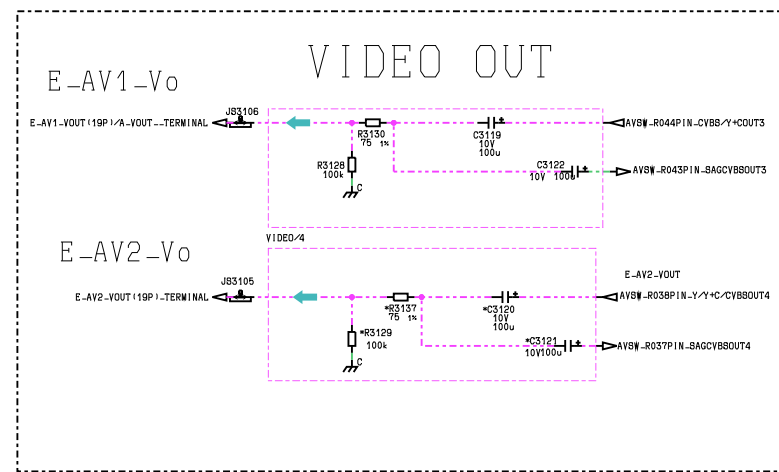
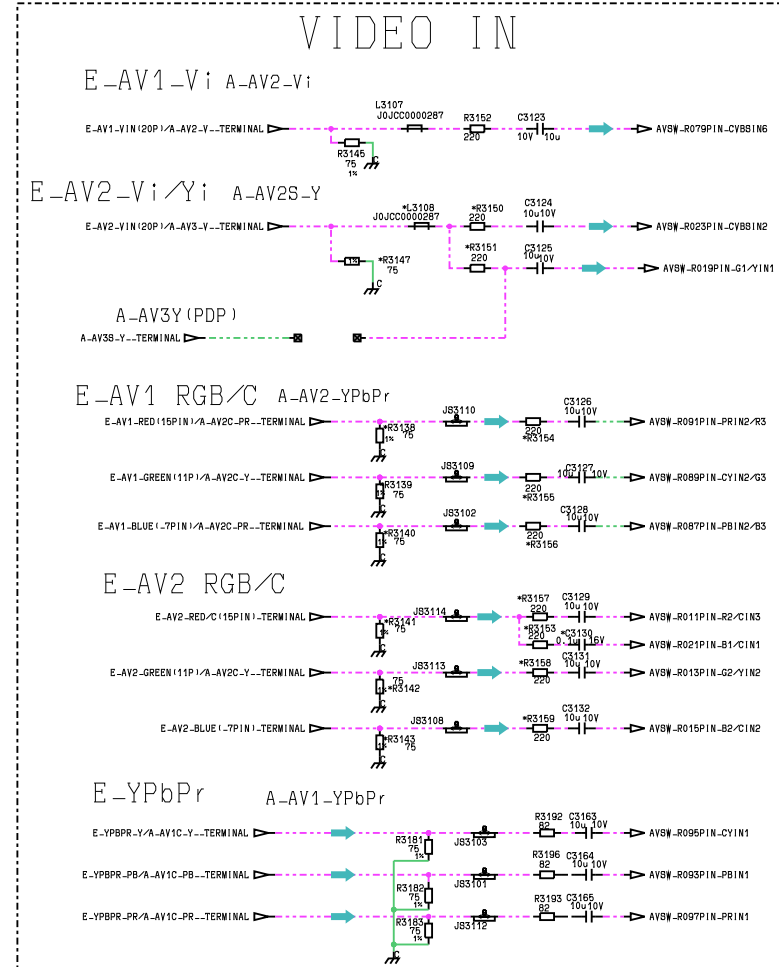
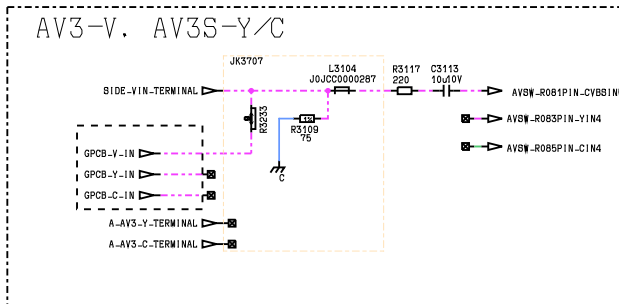
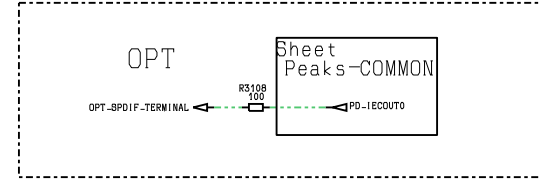
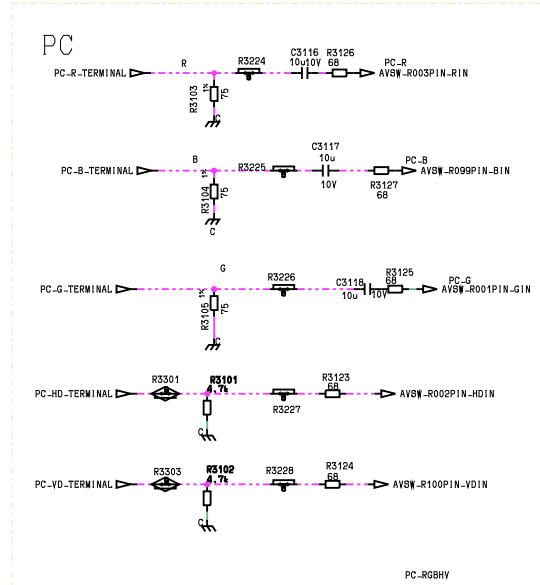
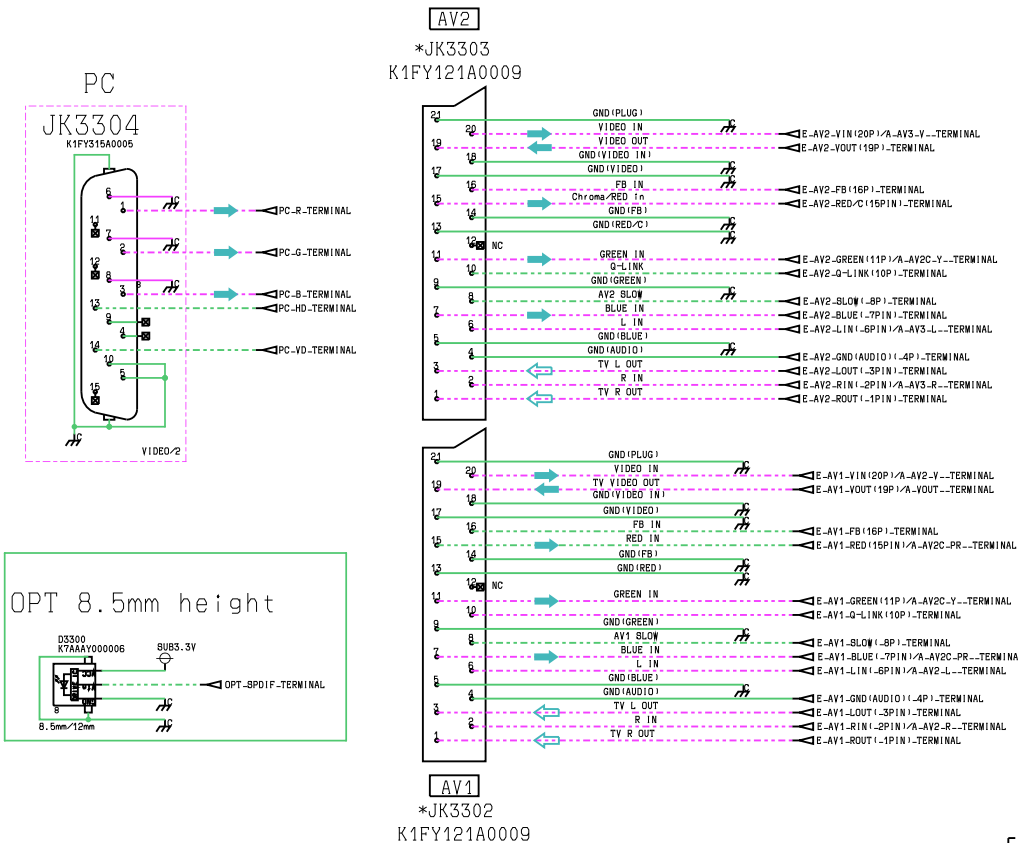




A-BOARD TNP8EA107 (9/23)



⚠ A-BOARD TNP8EA107 (10/23)



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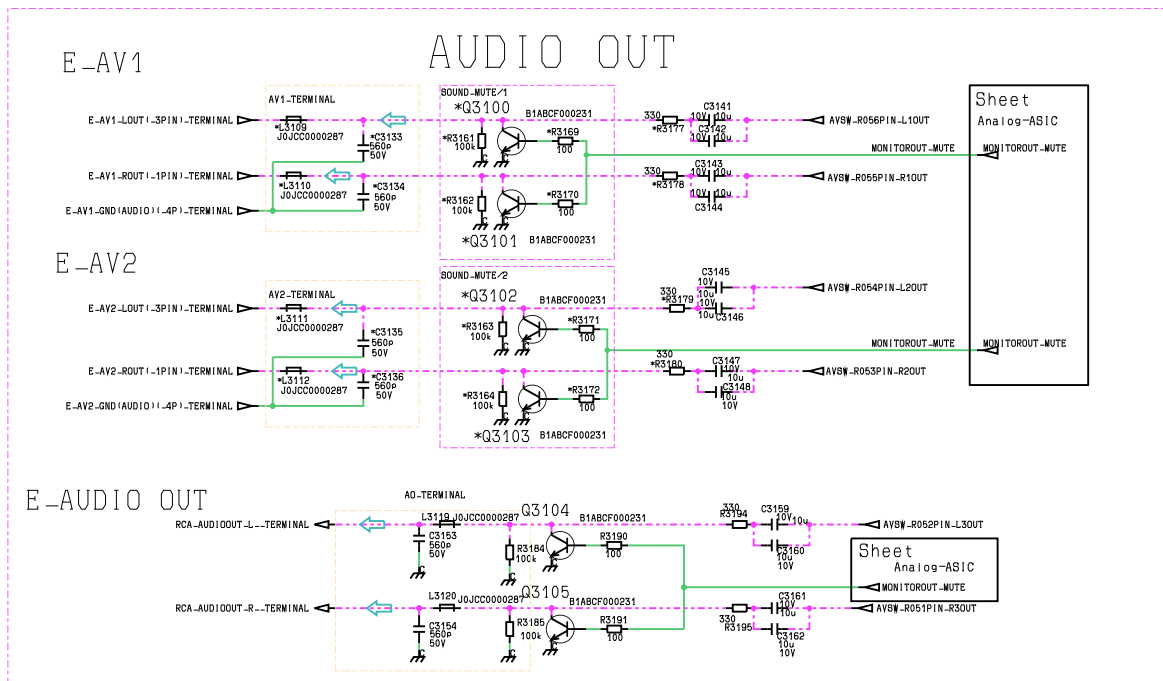
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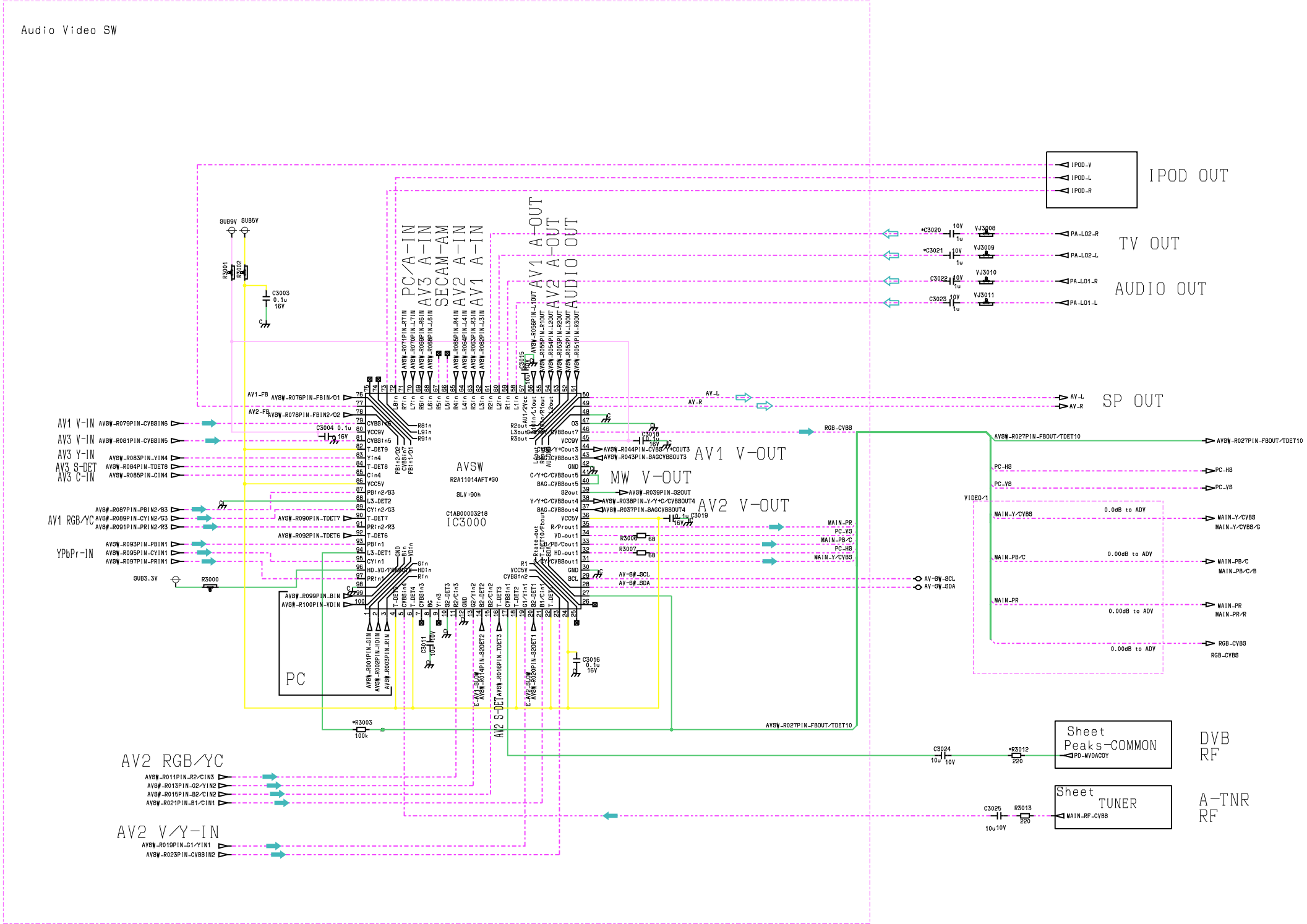
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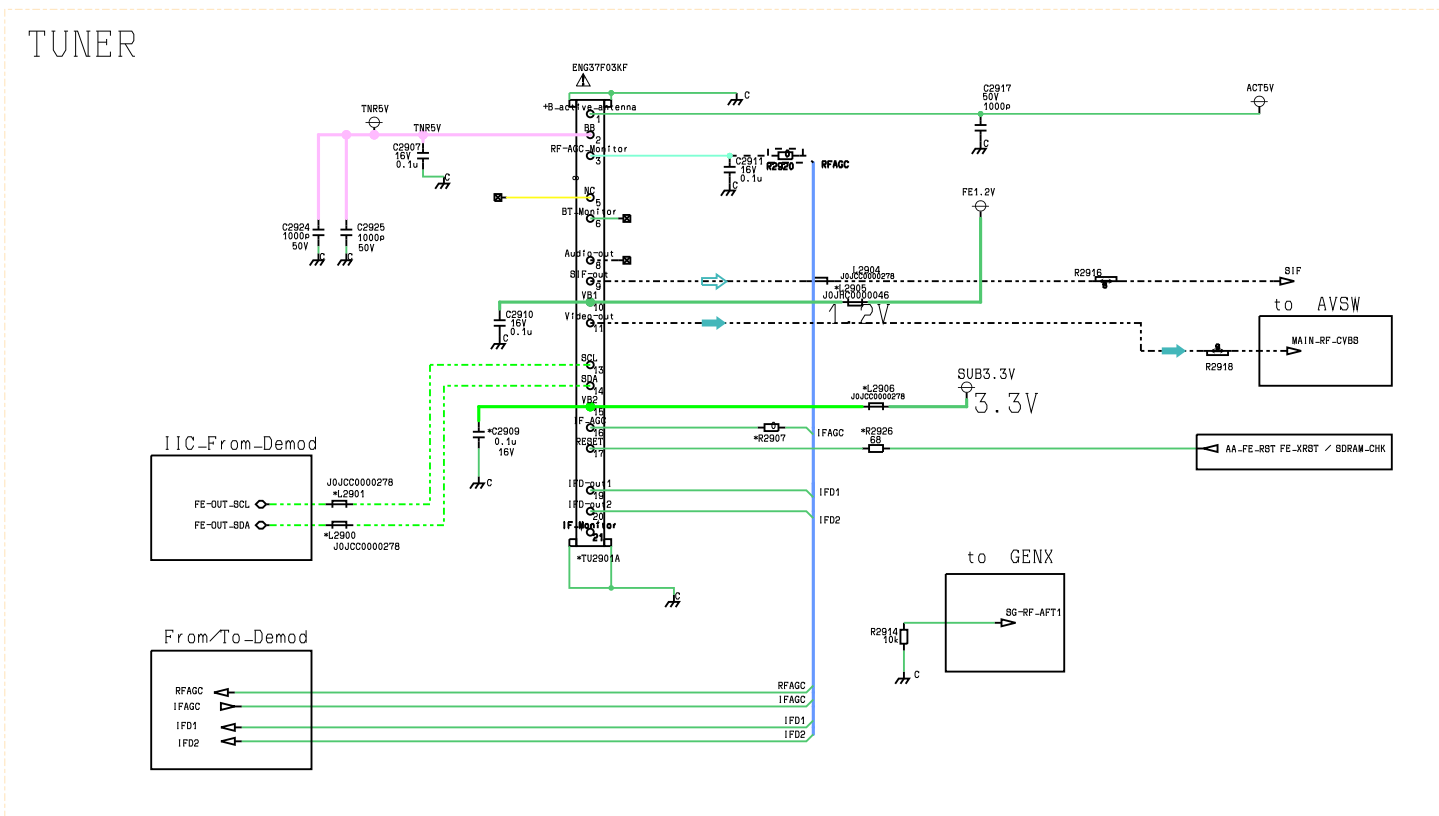
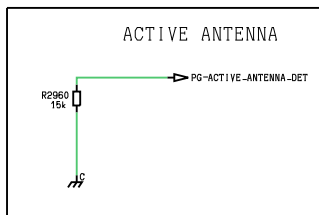
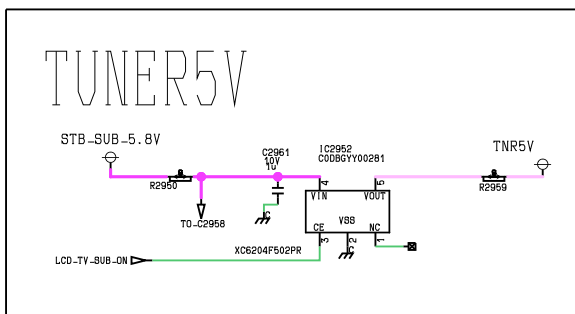
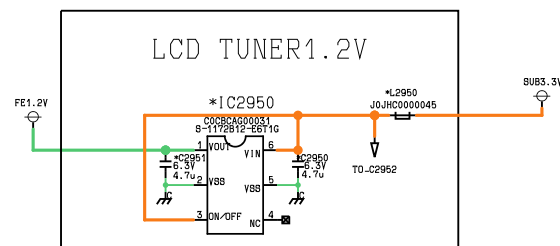


! A-BOARD TNP8EA107 (12/23)



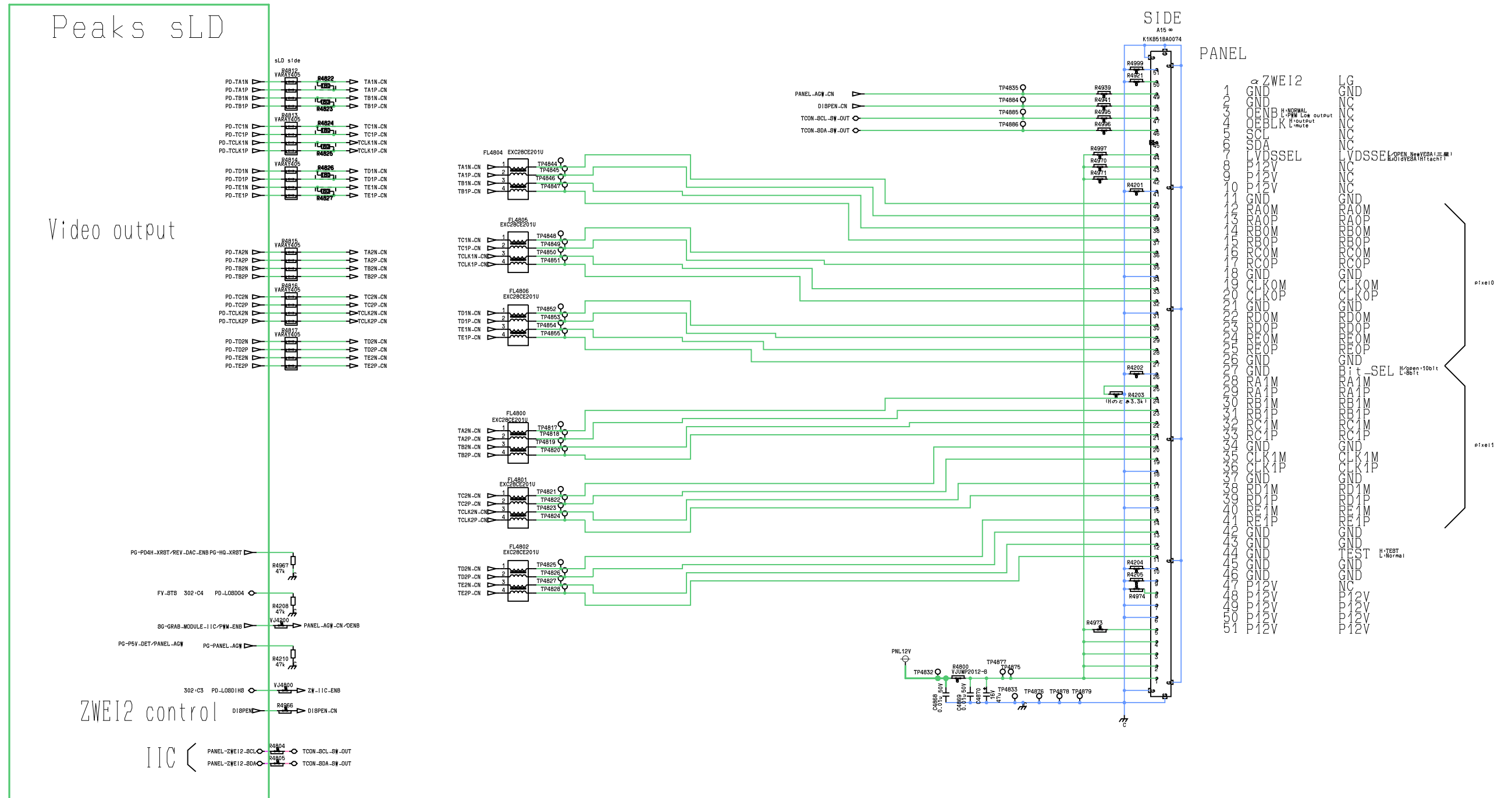


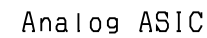
⚠ A-BOARD TNP8EA107 (13/23)





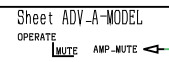
 A-BOARD TNP8EA107 (14/23)





IC5000

AN34042A-VF



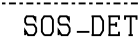
Sheet ADV-A-DEST

OPERATE  MUTE

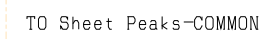
HP-MUTE-CTL 



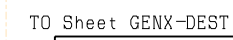
Sheet AVSW-MODEL



NAND\_PROTECT



ROHM-PEAKS-RESET

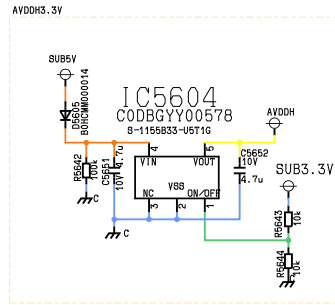
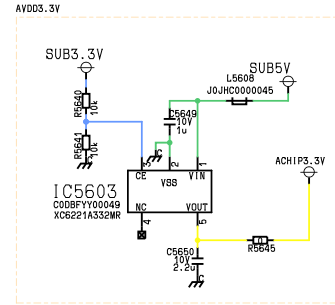
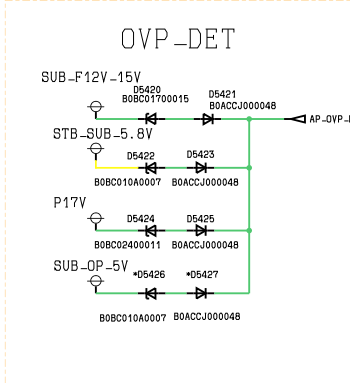
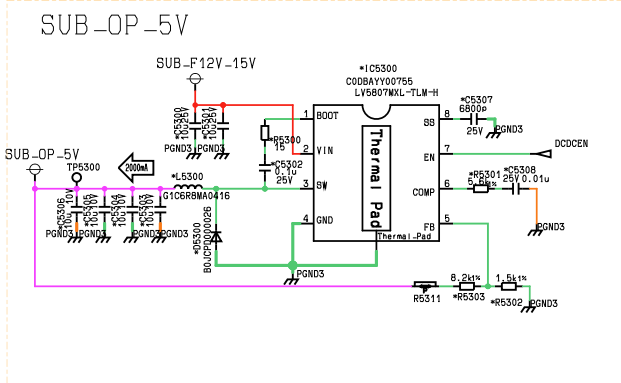
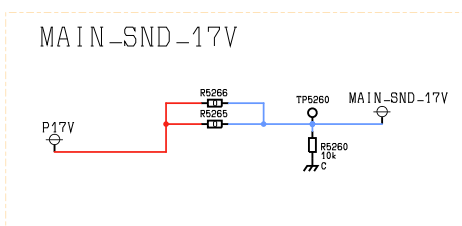
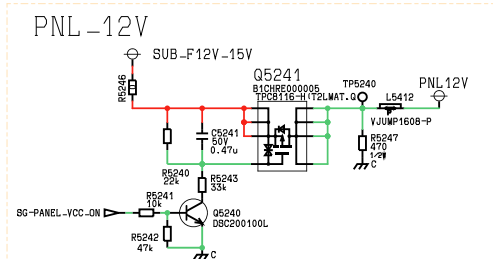
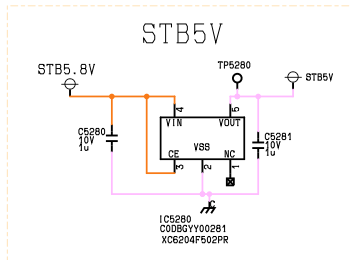
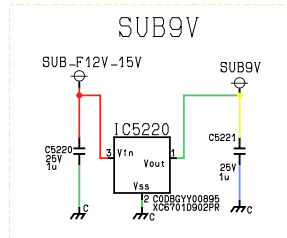
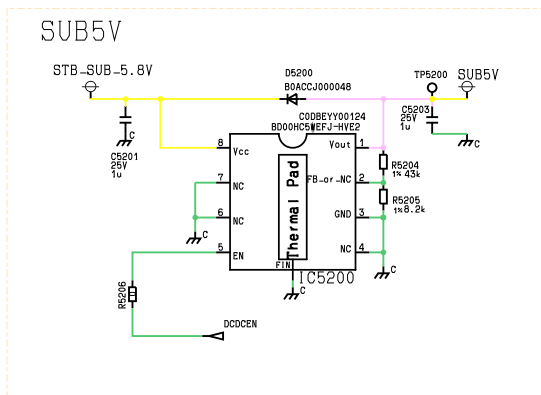


TO Sheet Peaks-COMMON

TO Sheet Set-MODEL

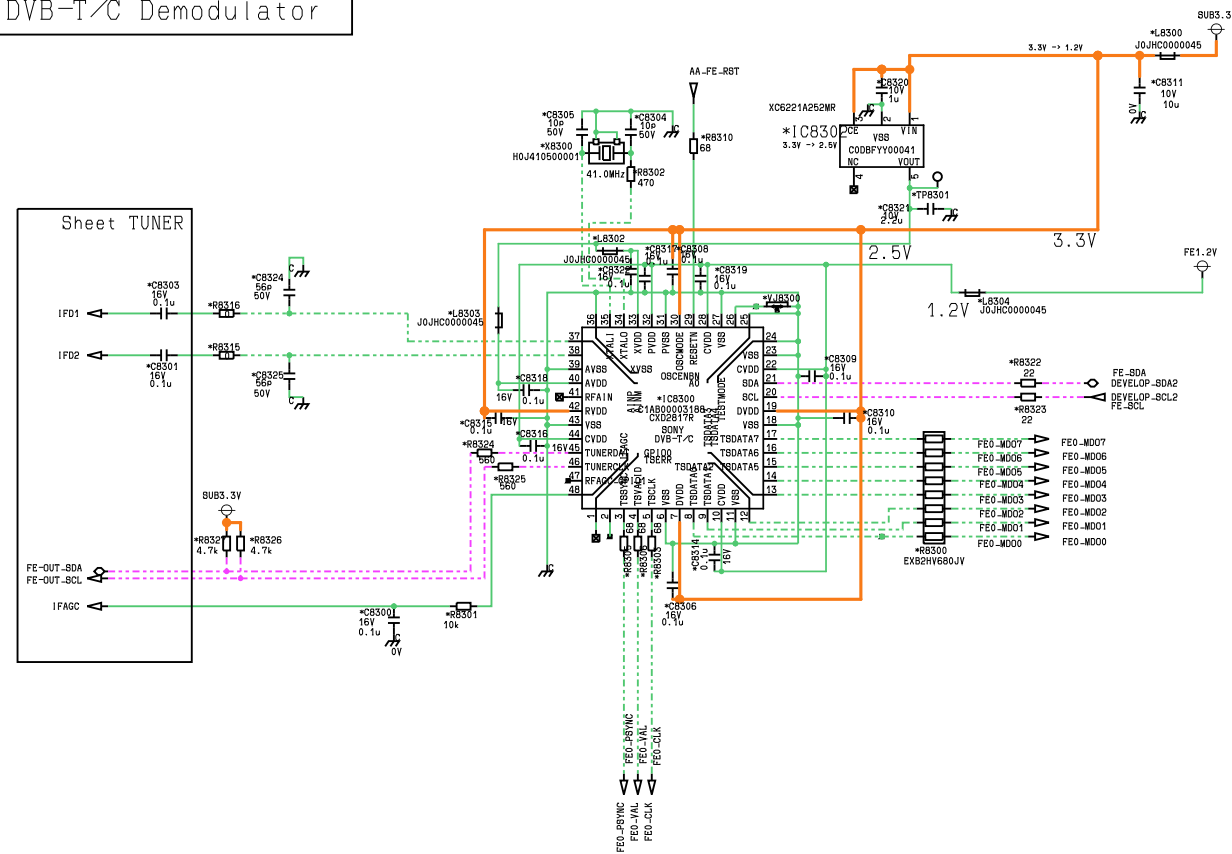
Peaks-RESET

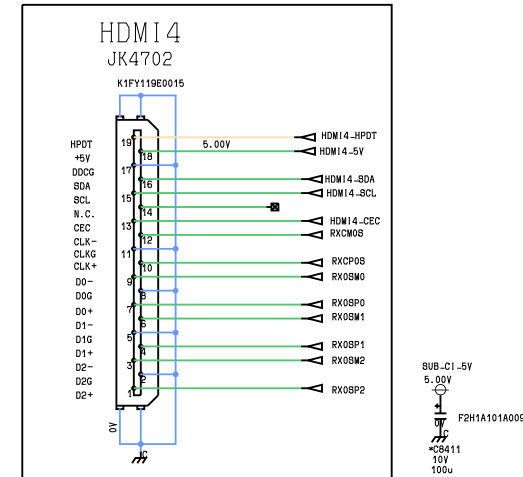
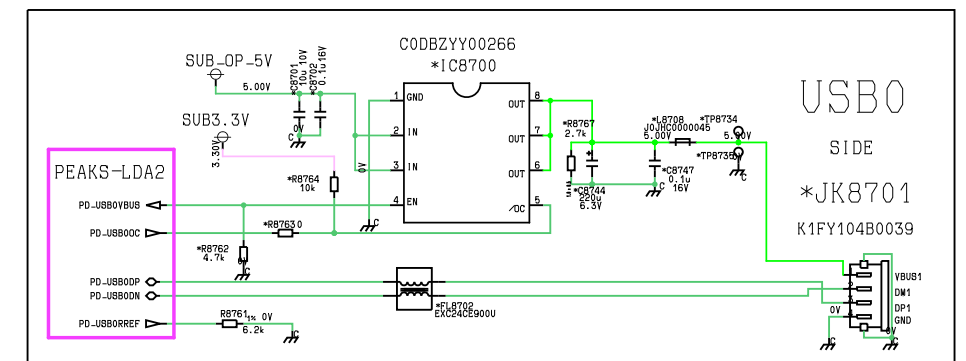
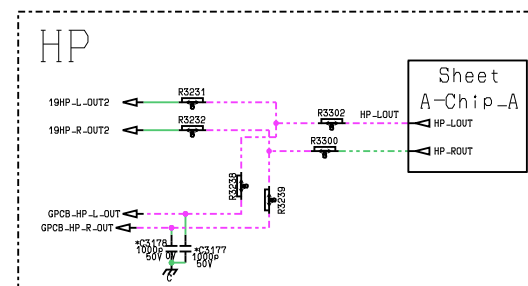
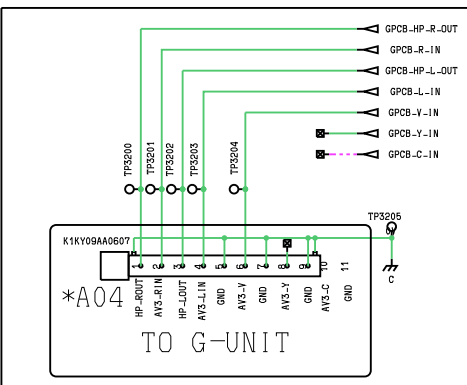
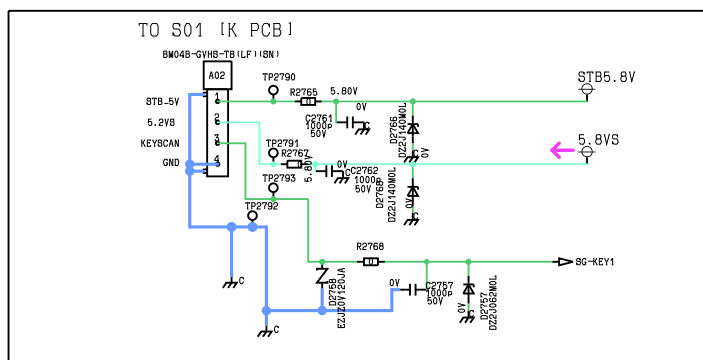
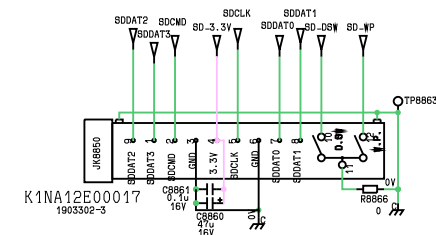
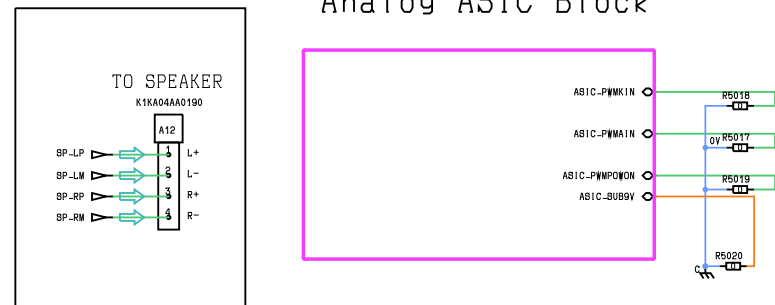
⚠ A-BOARD TNP8EA107 (16/23)



 A-BOARD TNP8EA107 (17/23)

DVB-T/C Demodulator

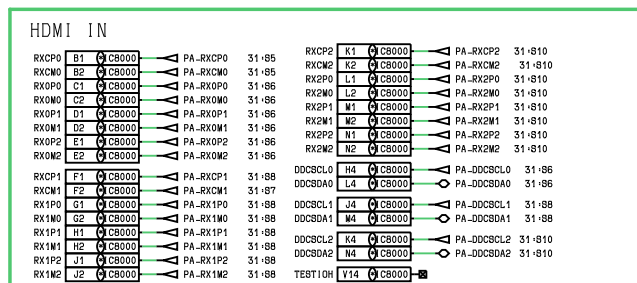
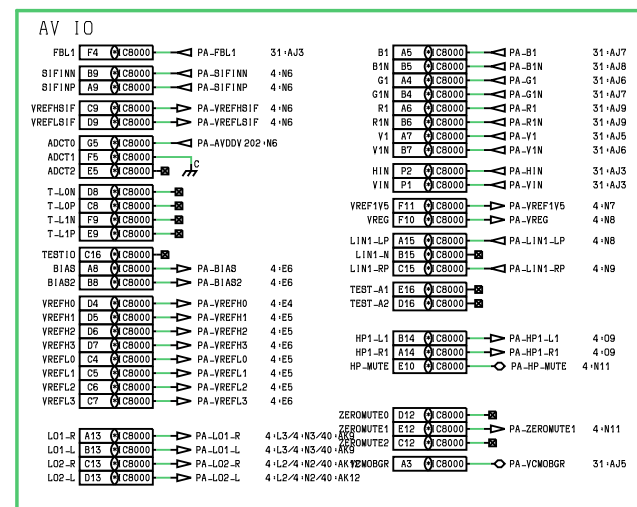


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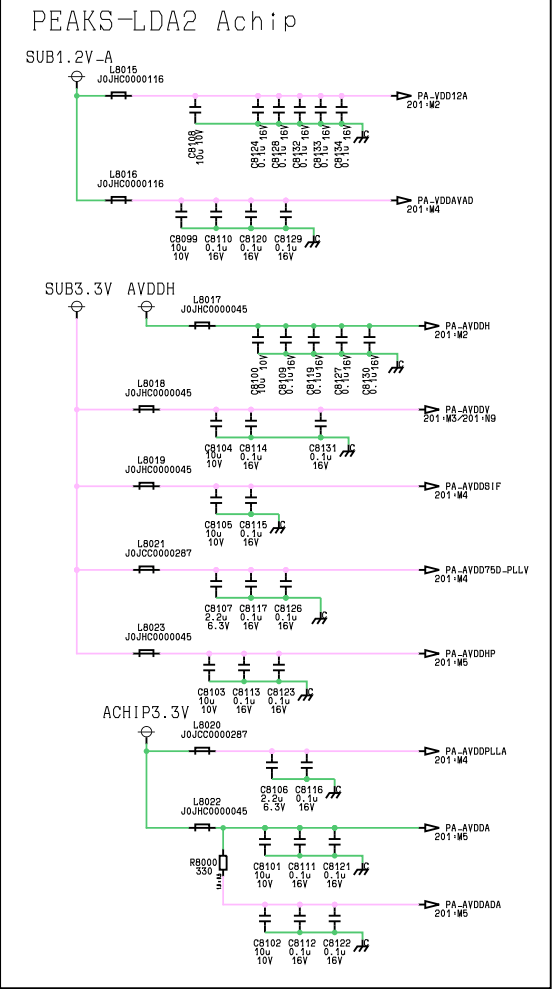
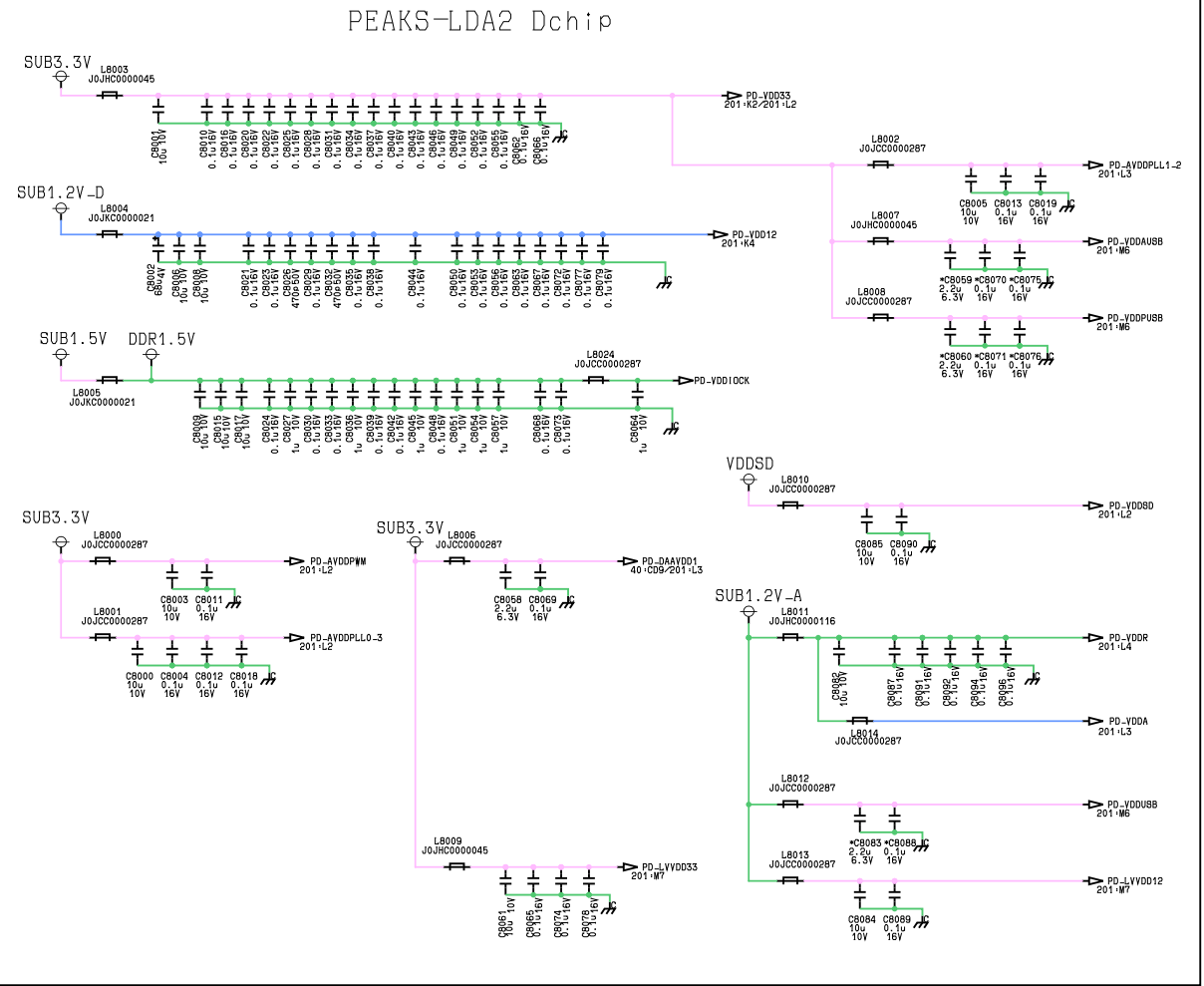




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⚠ A-BOARD TNP8EA107 (21/23)



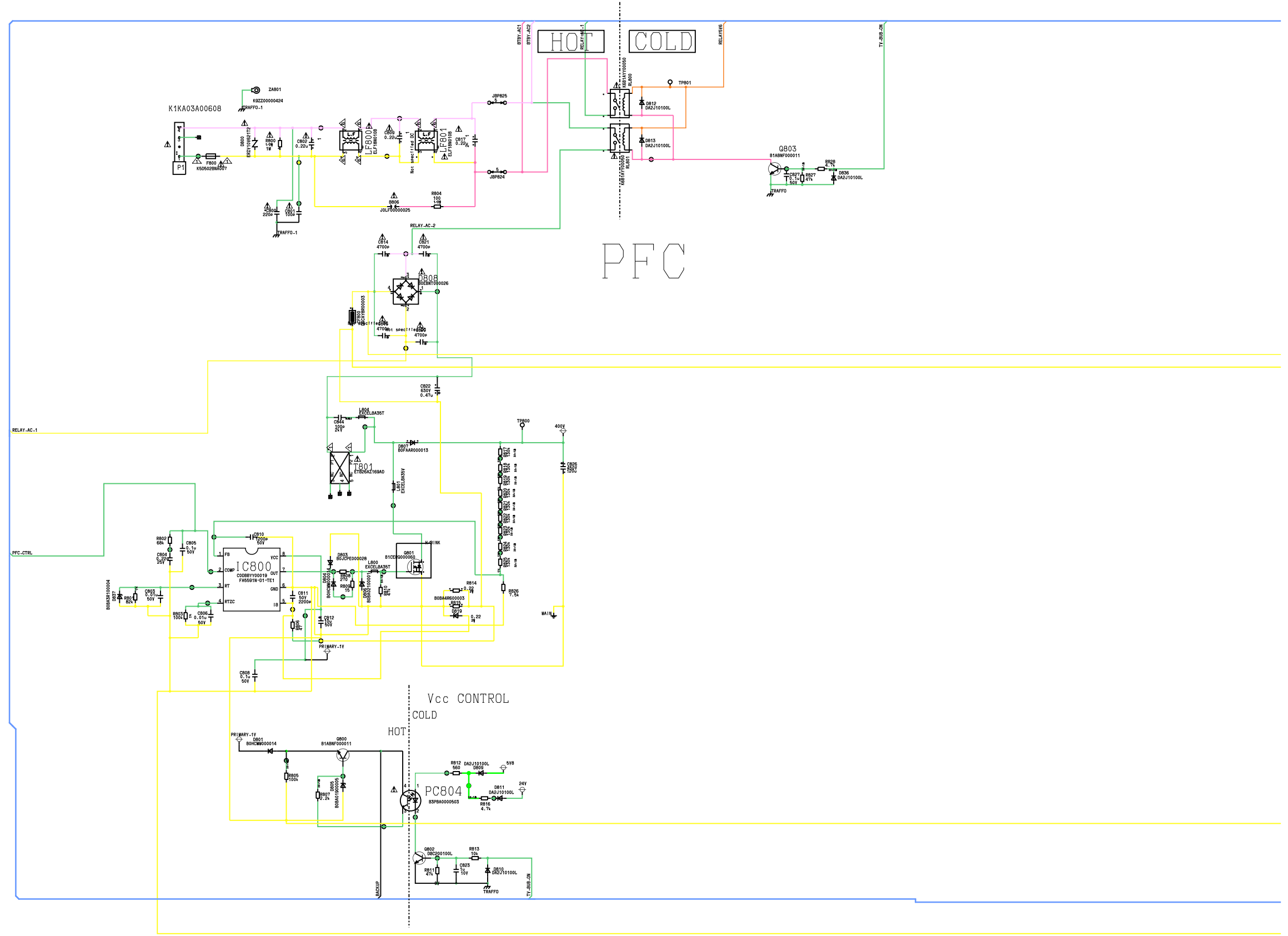


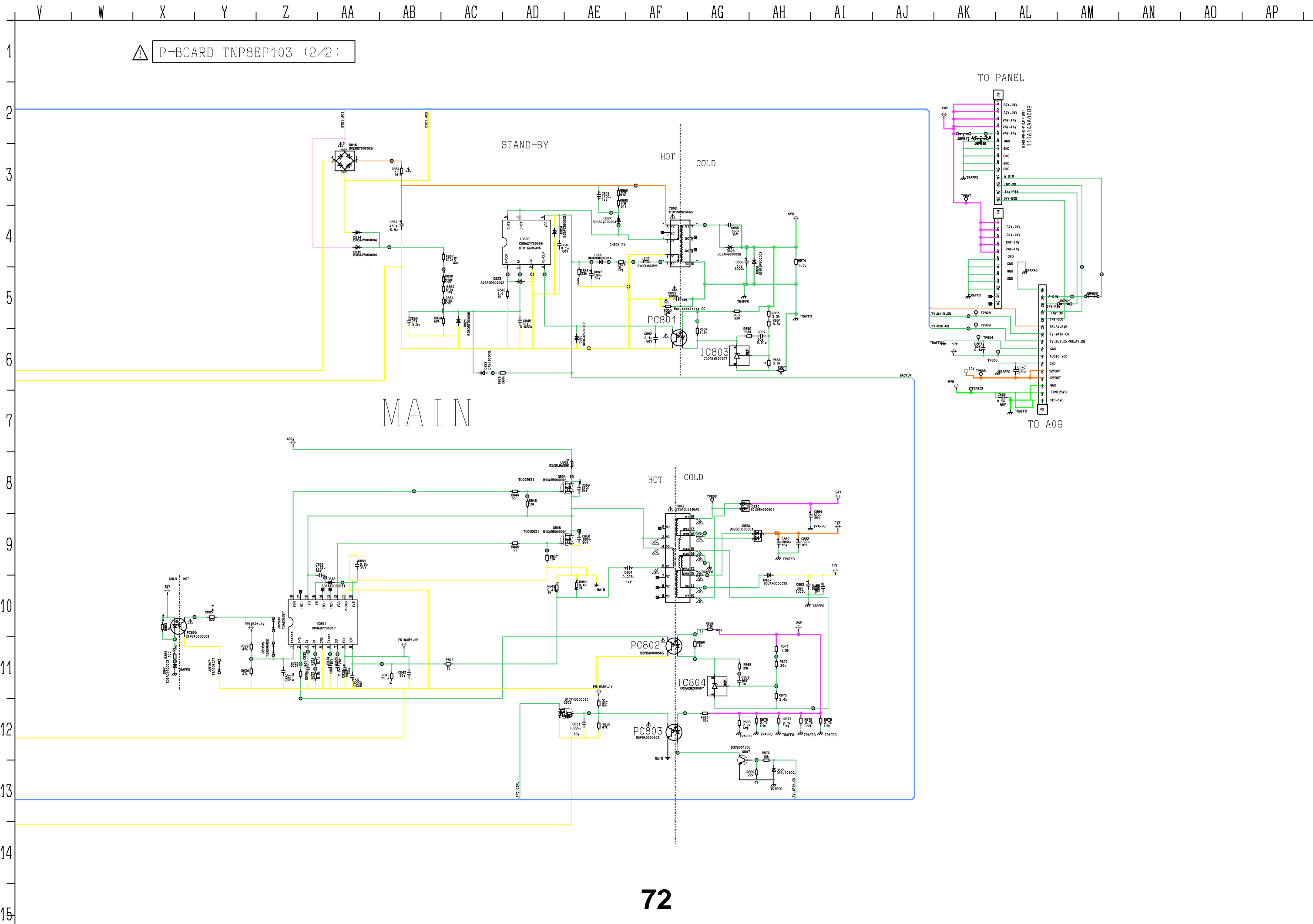
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⚠ P-BBOARD TNP8EP103 (1/2)





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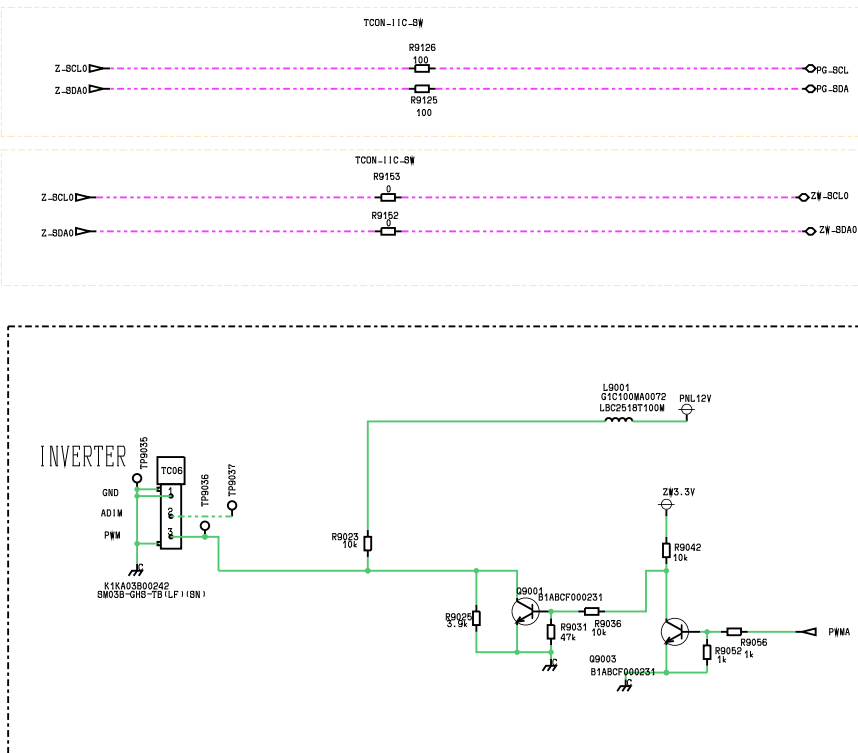
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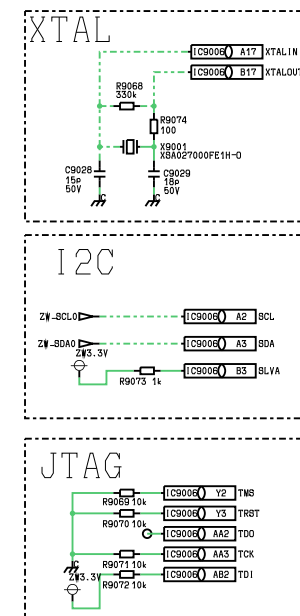
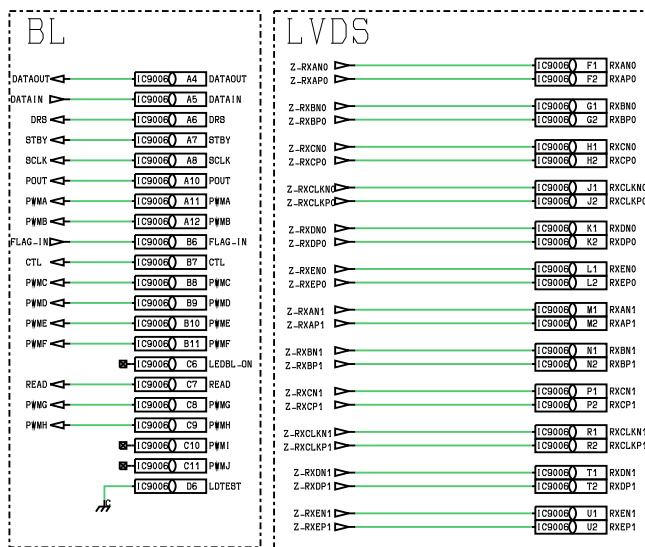
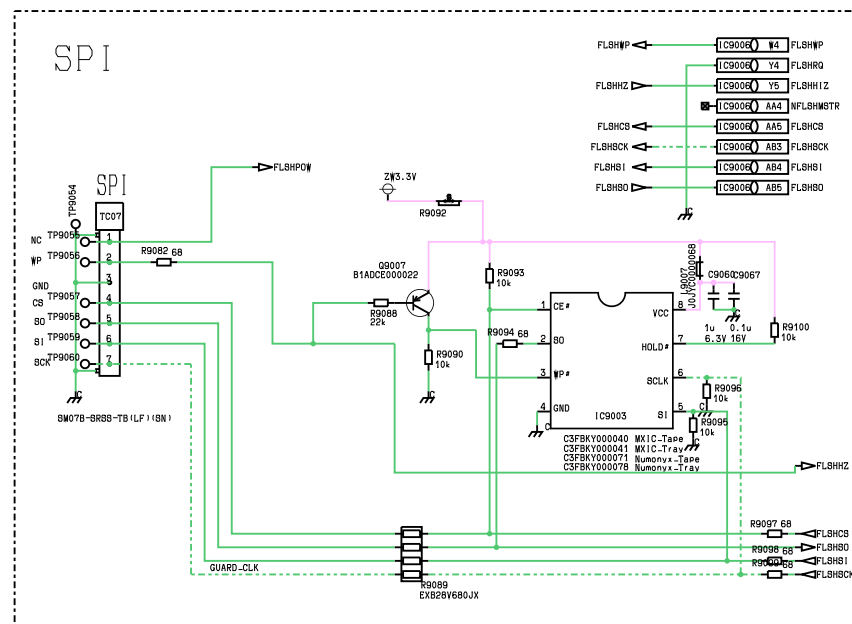
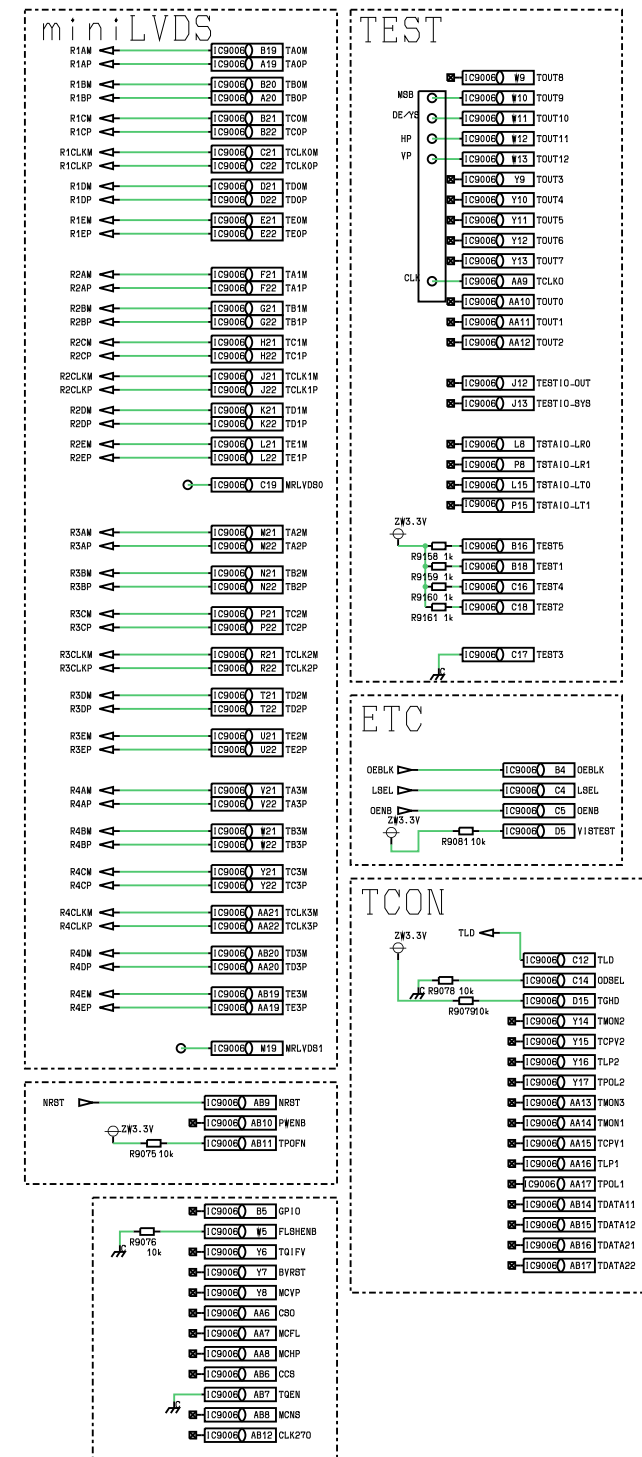
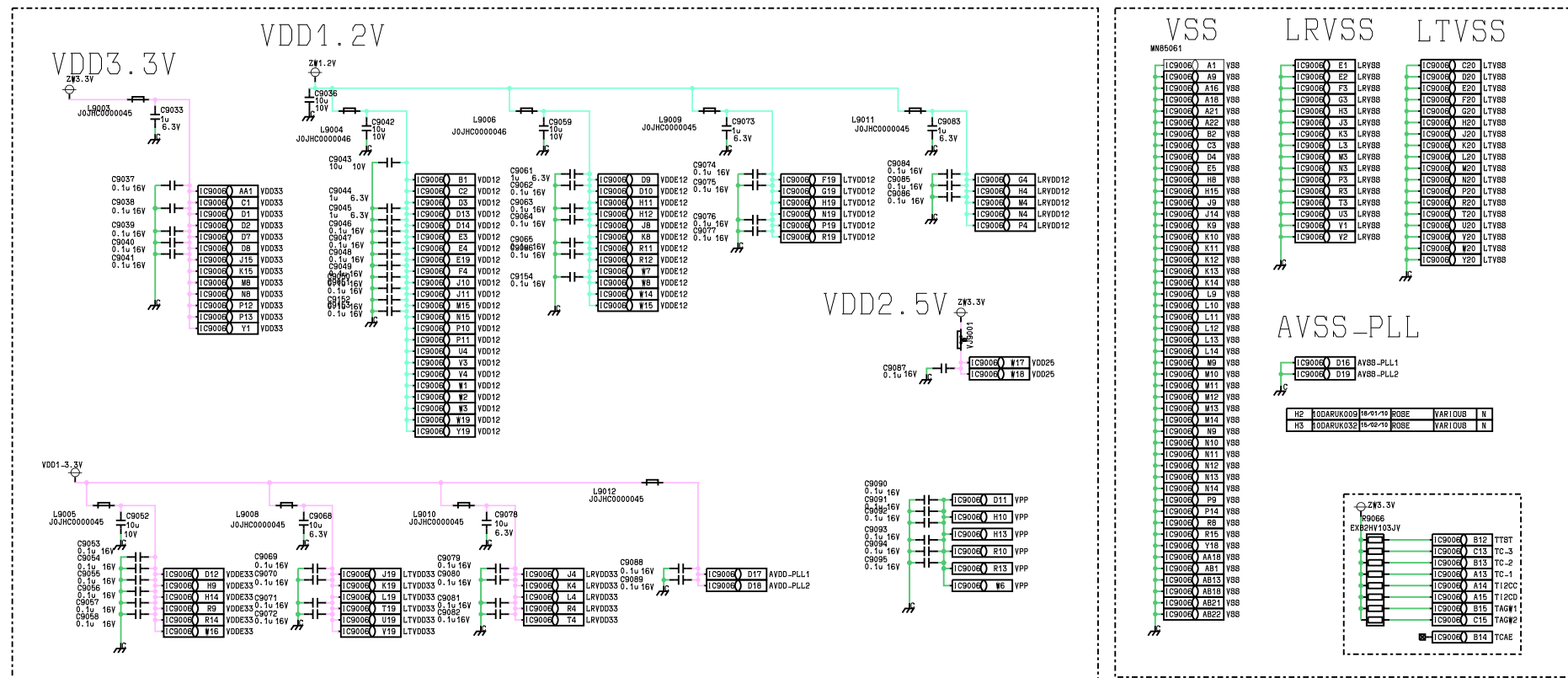
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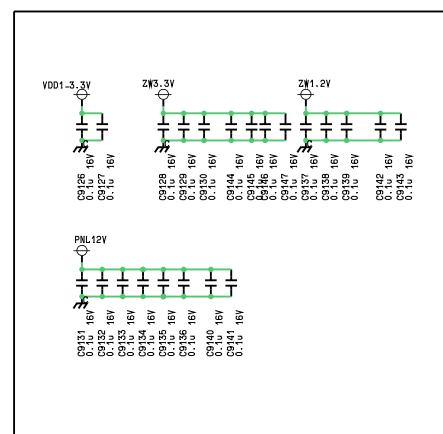
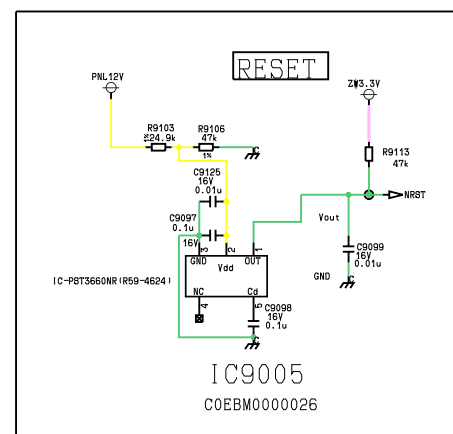
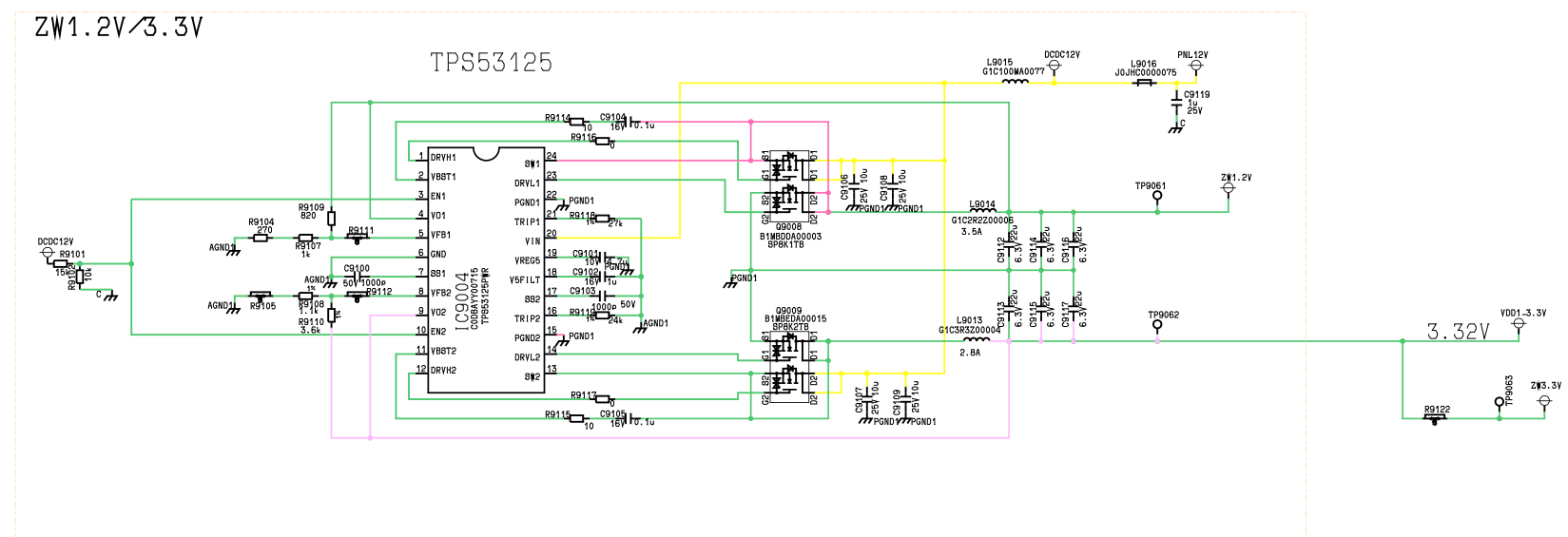
12



TC-BOARD TNP8ETC01 (2/6)



TC-BOARD TNP8ETC01 (3/6)

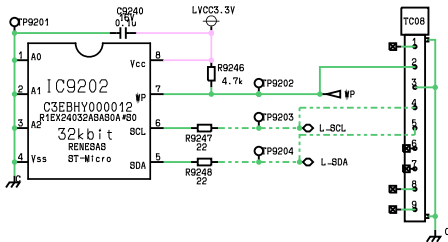
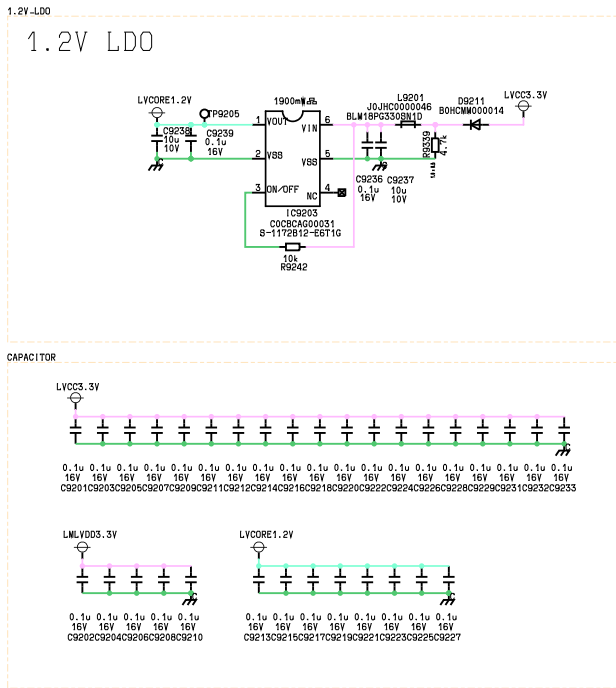
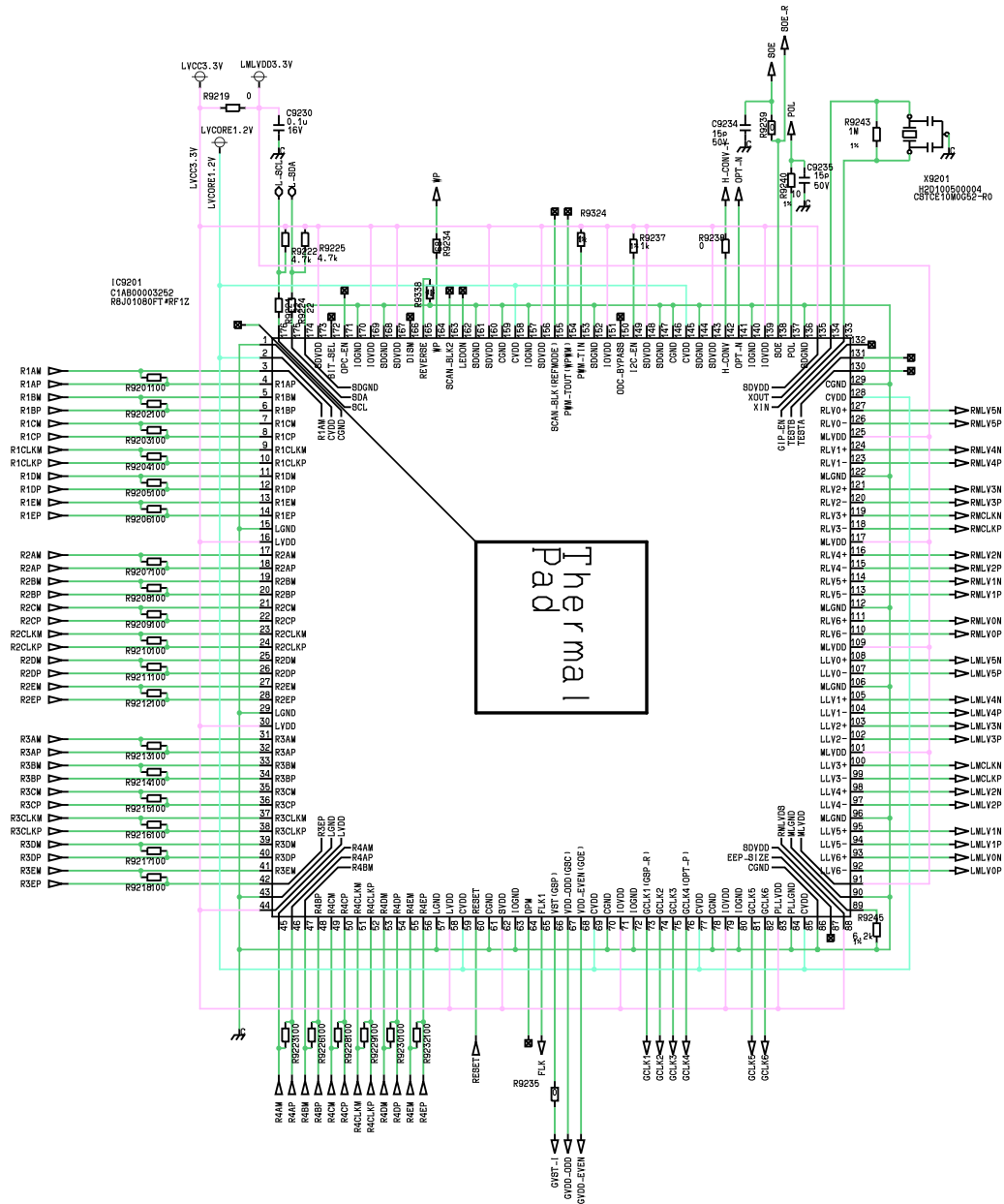




A B C D E F G H I J K L M N O P Q R

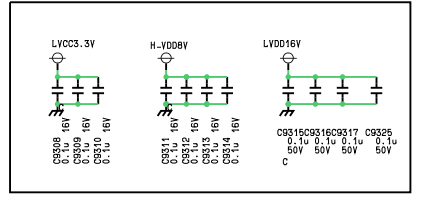
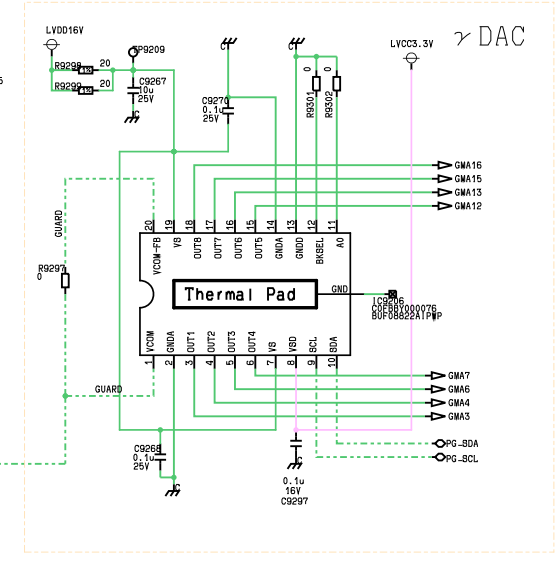
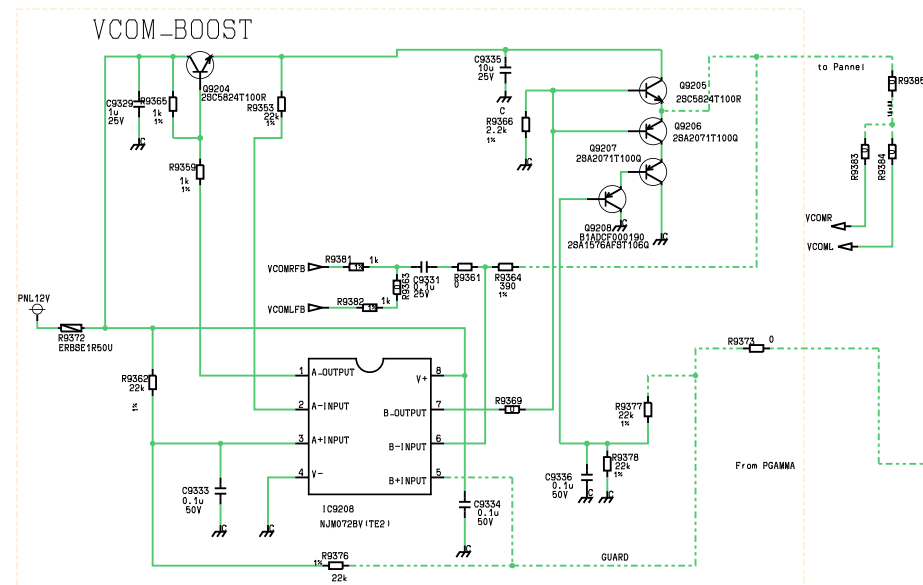
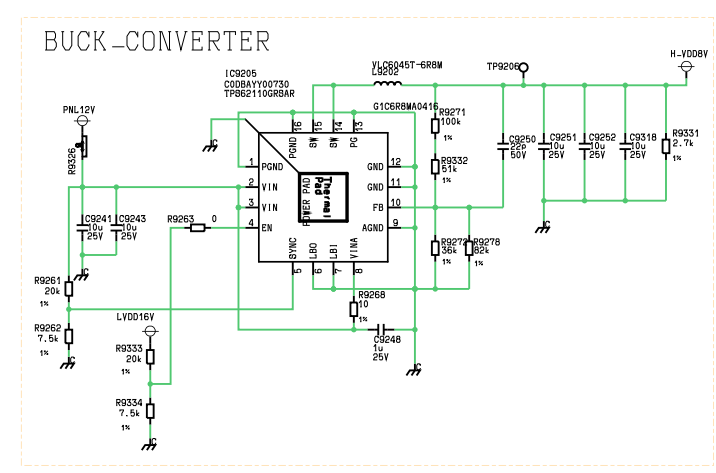
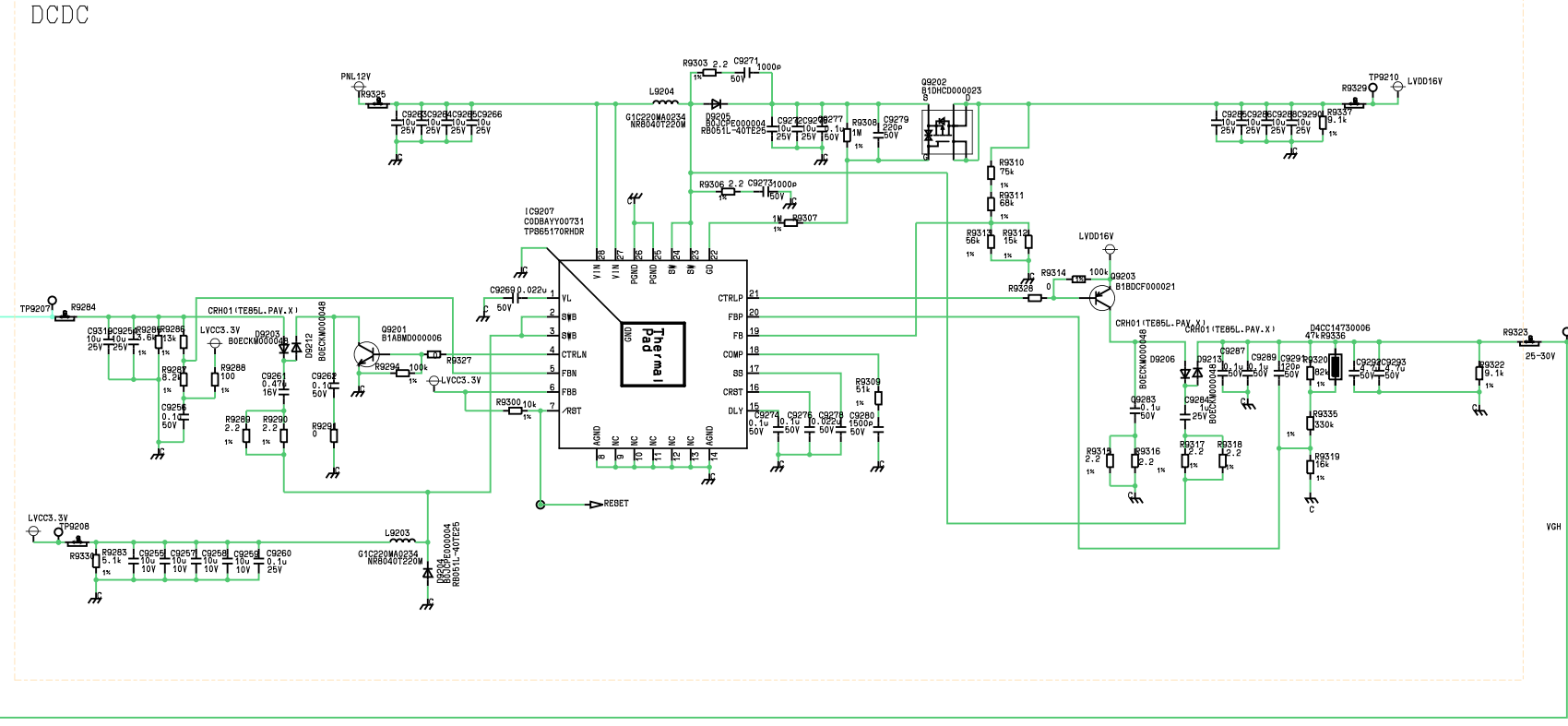
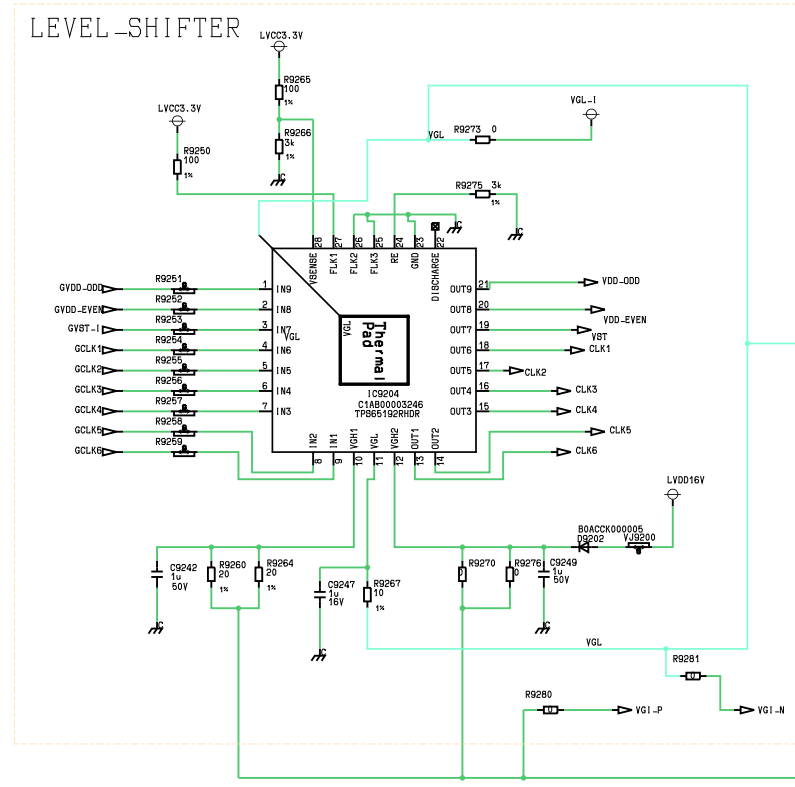
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⚠ TC-BOARD TNP8ETC01 (4/6)



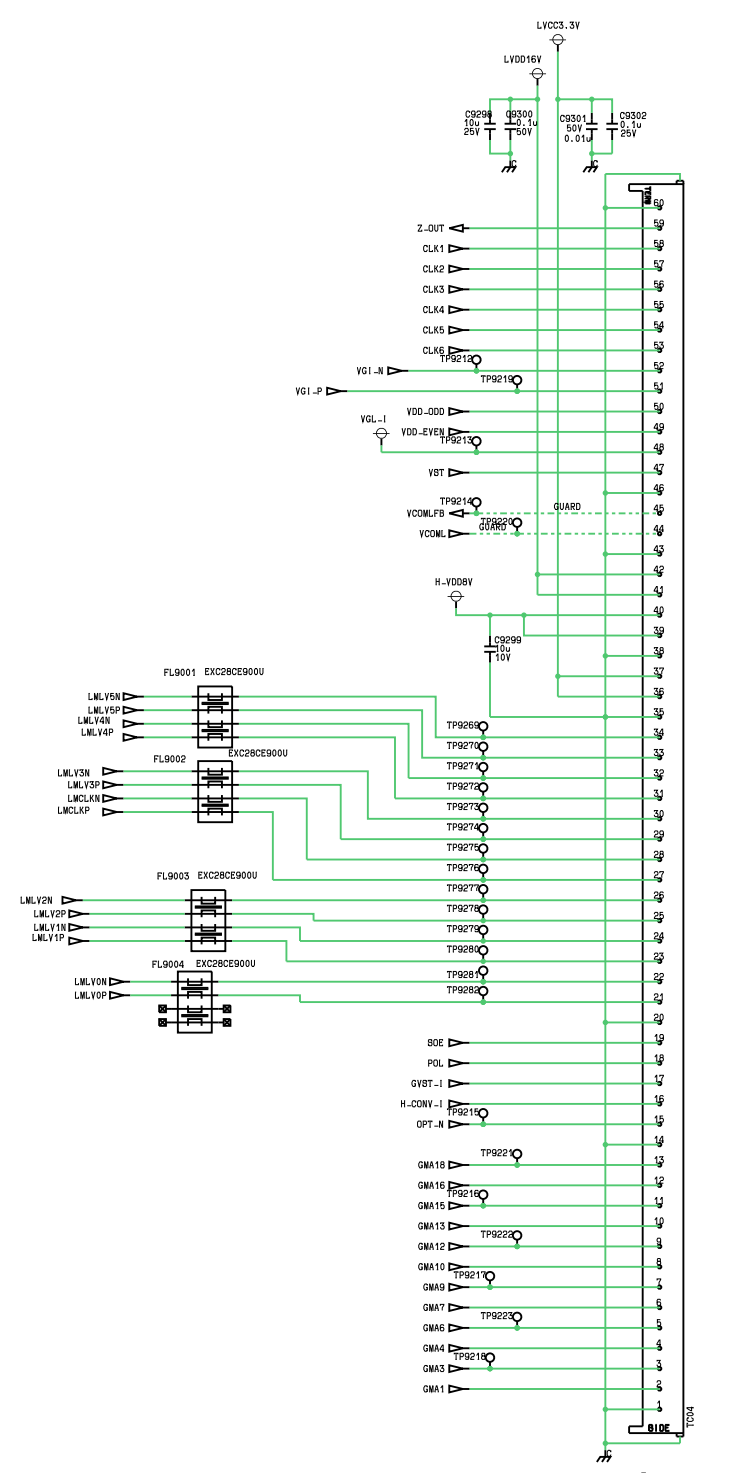


TC-BOARD TNP8ETC01 (5/6)

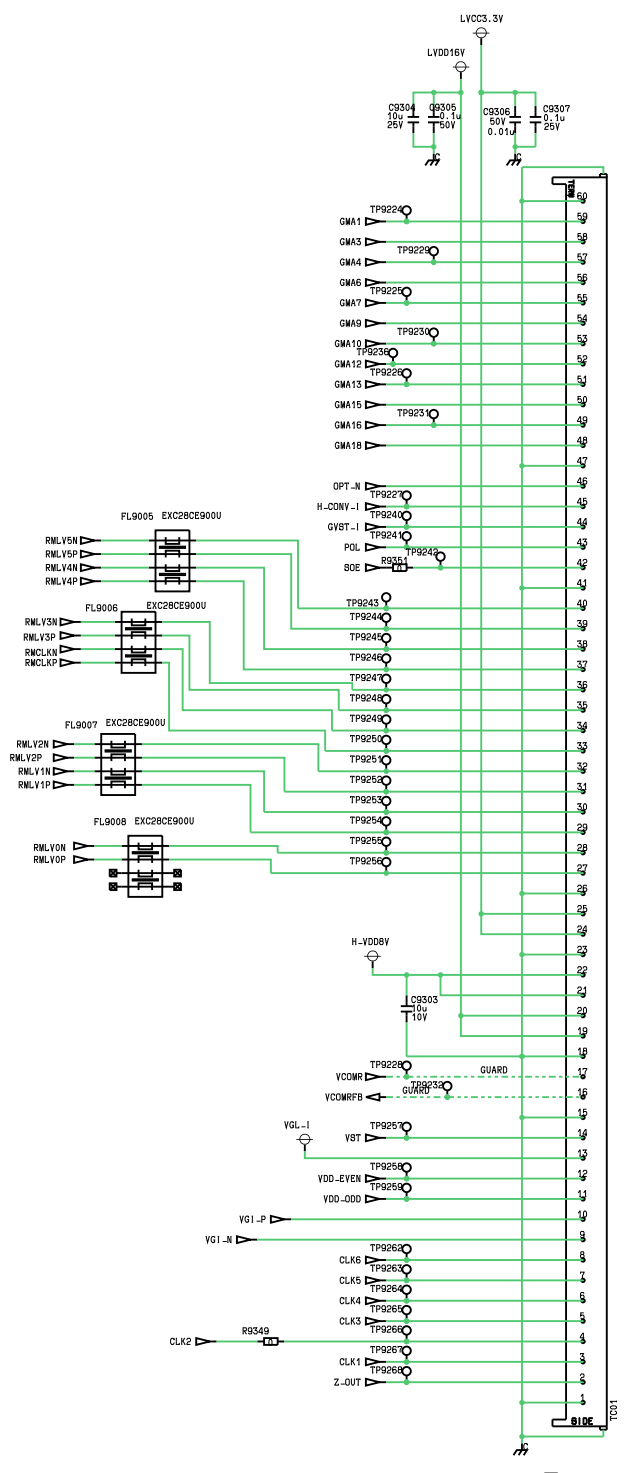


A B C D E F G H I J K L M N O P Q R

TC-BOARD TNP8ETC01 (6/6)



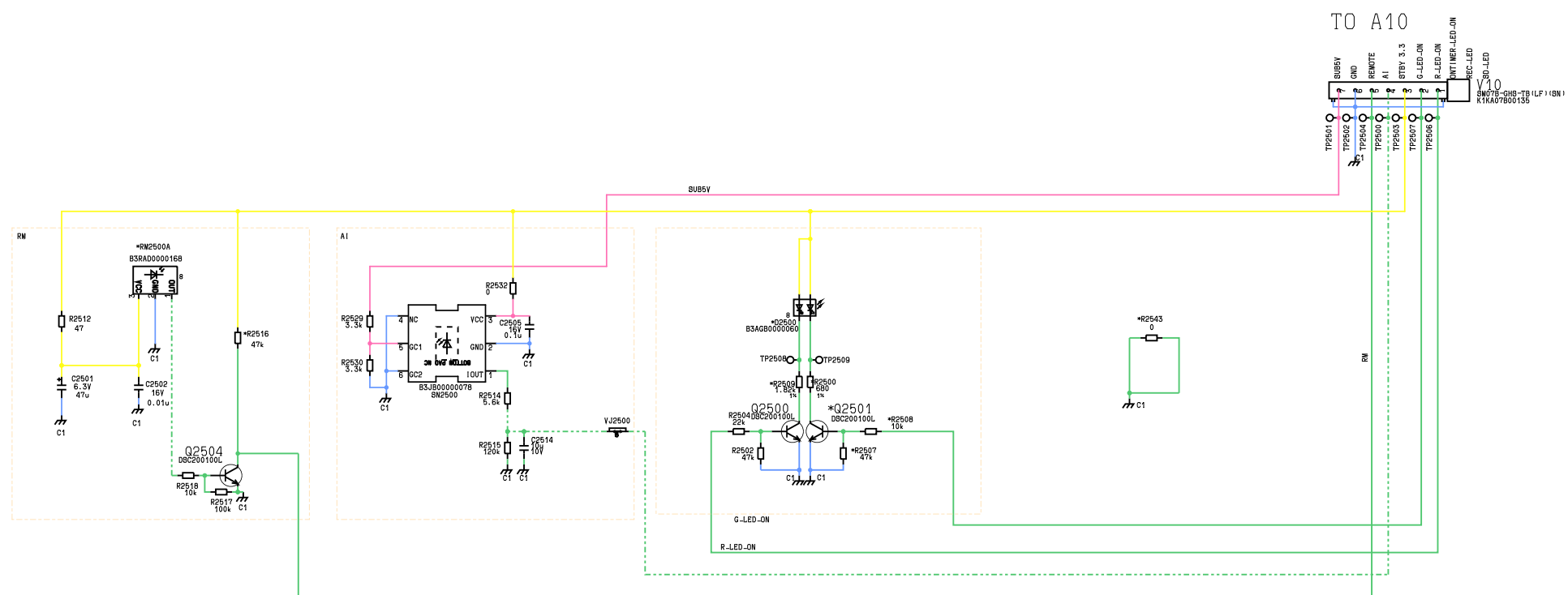
for Left



for Right

TO PANEL

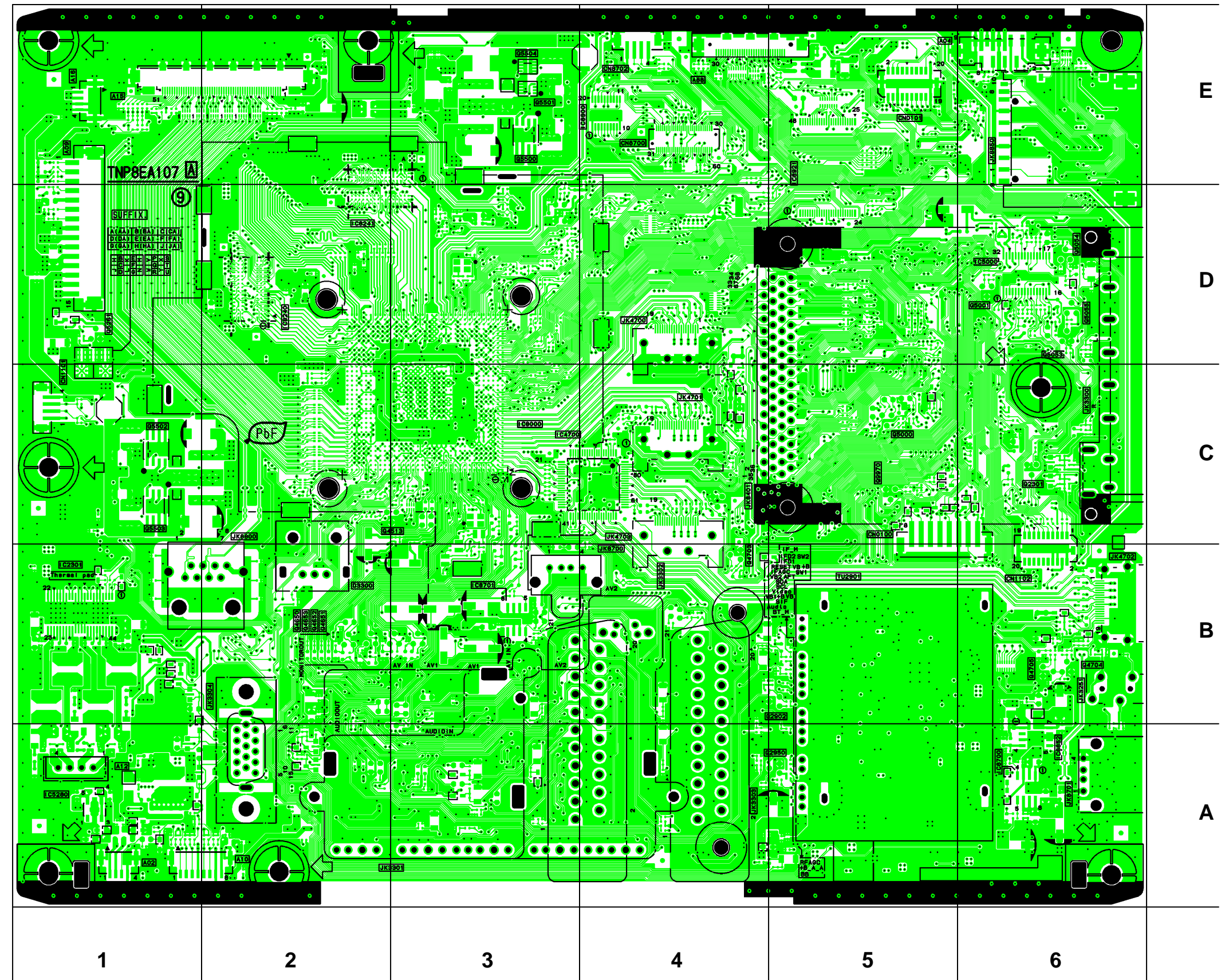
⚠ V-BOARD TNP8EV103



## Conductor Views

## A-BOARD TNP8EA107 - TOP

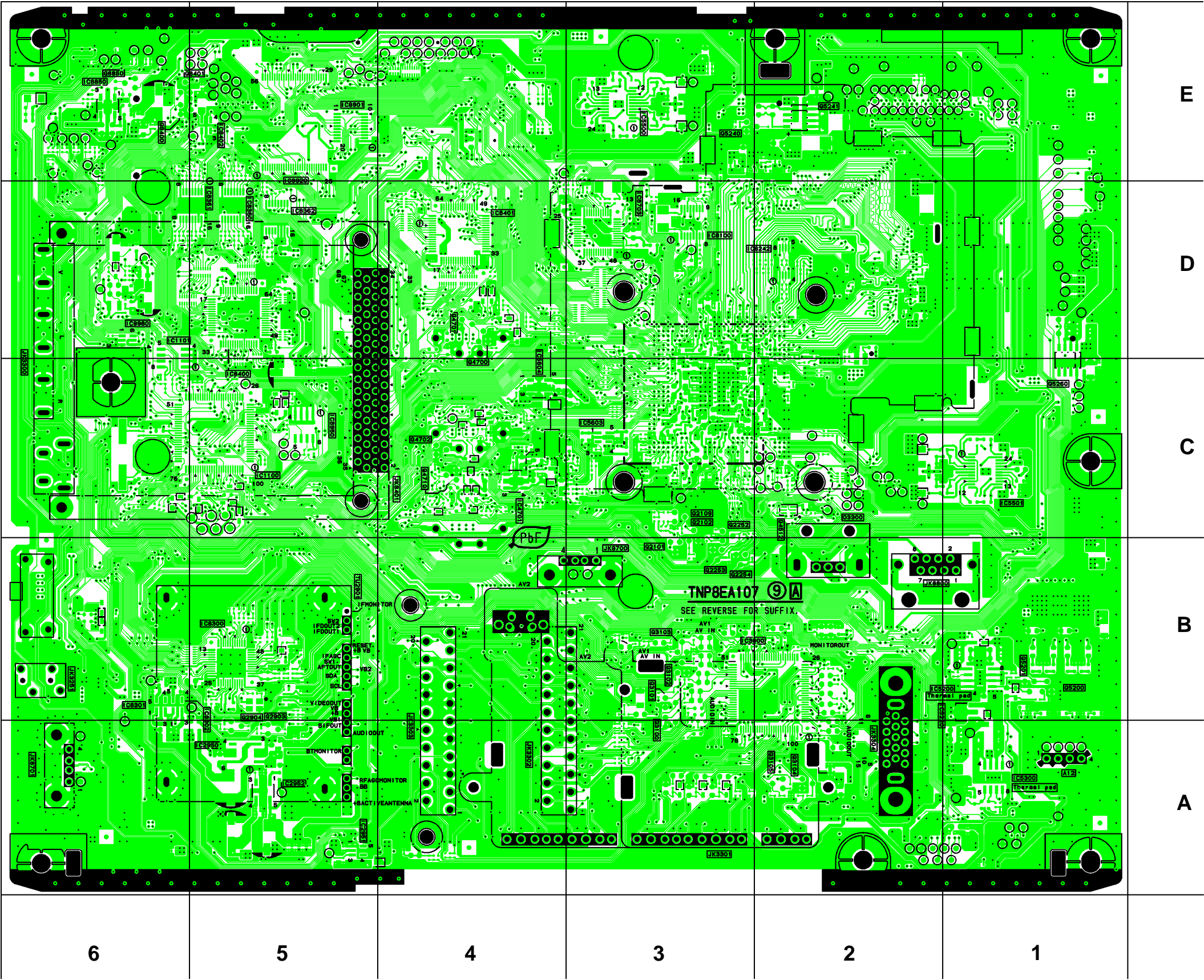
<b>IC'S</b>		Q4704	6B
IC2301	1B	Q4705	6B
IC4700	3C	Q4709	4C
IC5000	6D	Q5053	6D
IC5280	1A	Q5054	6D
IC8000	3C	Q5055	6D
IC8240	2D	Q5500	3E
IC8241	2D	Q5501	3E
IC8700	6A	Q5502	1C
IC8701	3B	Q5503	1C
IC8921	5E	Q5504	3E
<b>TRAN'S</b>			
Q2301	6C	<b>DIODE'S</b>	
Q4513	2C	D3300	2B
Q4703	4B		





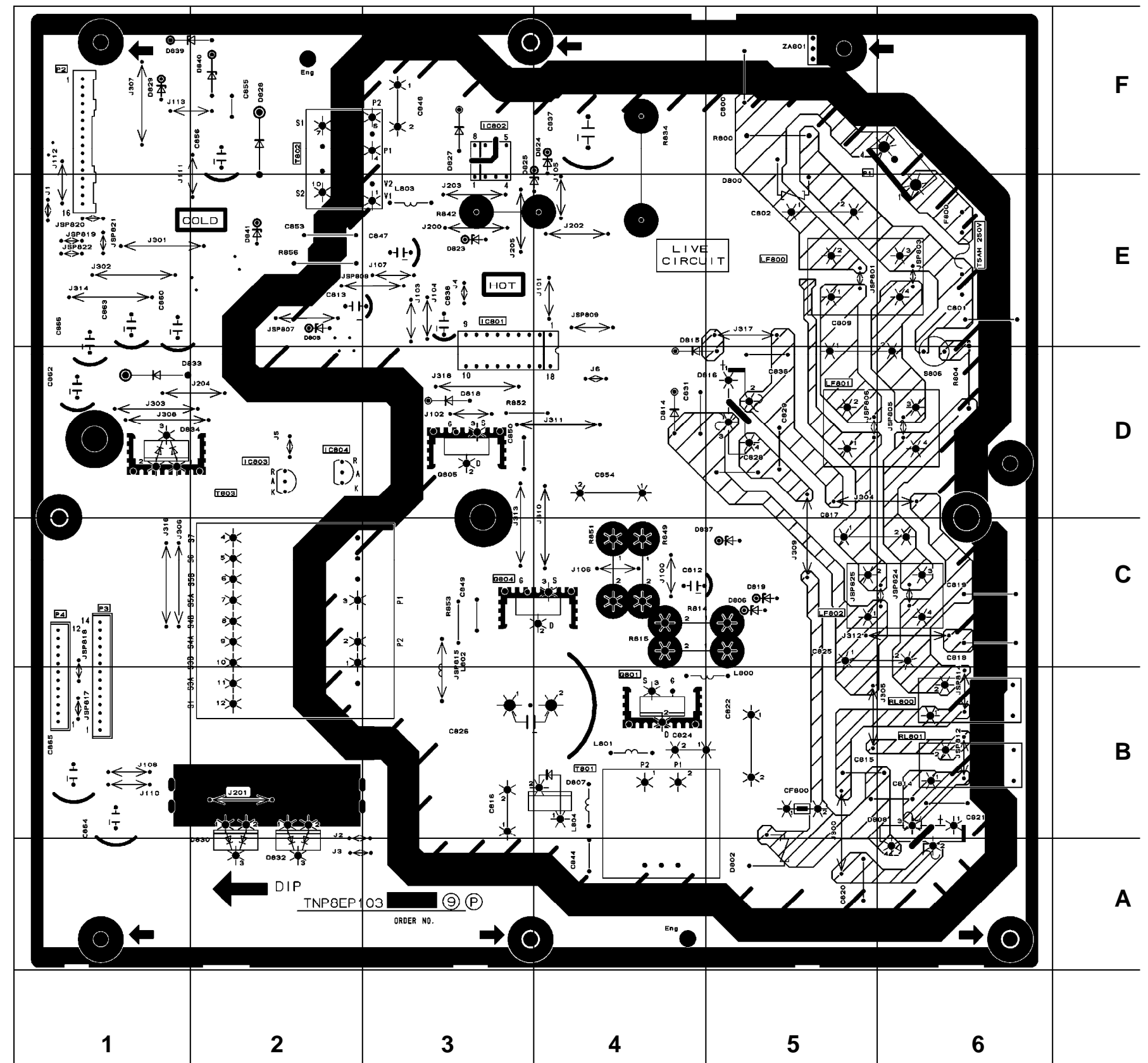
A-BOARD TNP8EA107 - BOTTOM

IC'S	TRAN'S
IC1100 5C	Q2101 3B
IC1101 6D	Q2252 3C
IC2950 5A	Q2253 3B
IC2952 5A	Q2254 3B
IC3000 2B	Q3100 3A
IC4701 4C	Q3101 3B
IC5200 1B	Q3102 3B
IC5220 1A	Q3103 3B
IC5300 1A	Q3104 2A
IC5500 3E	Q3105 2A
IC5501 1C	Q4512 2C
IC5603 3C	Q4700 4C
IC5604 4C	Q4701 4D
IC8100 3D	Q4702 4C
IC8300 5B	Q4710 4C
IC8302 5B	Q5240 3E
IC8400 5C	Q5241 2E
IC8401 4D	Q8400 6E
IC8402 5E	Q8401 5E
IC8703 3D	
IC8950 5C	



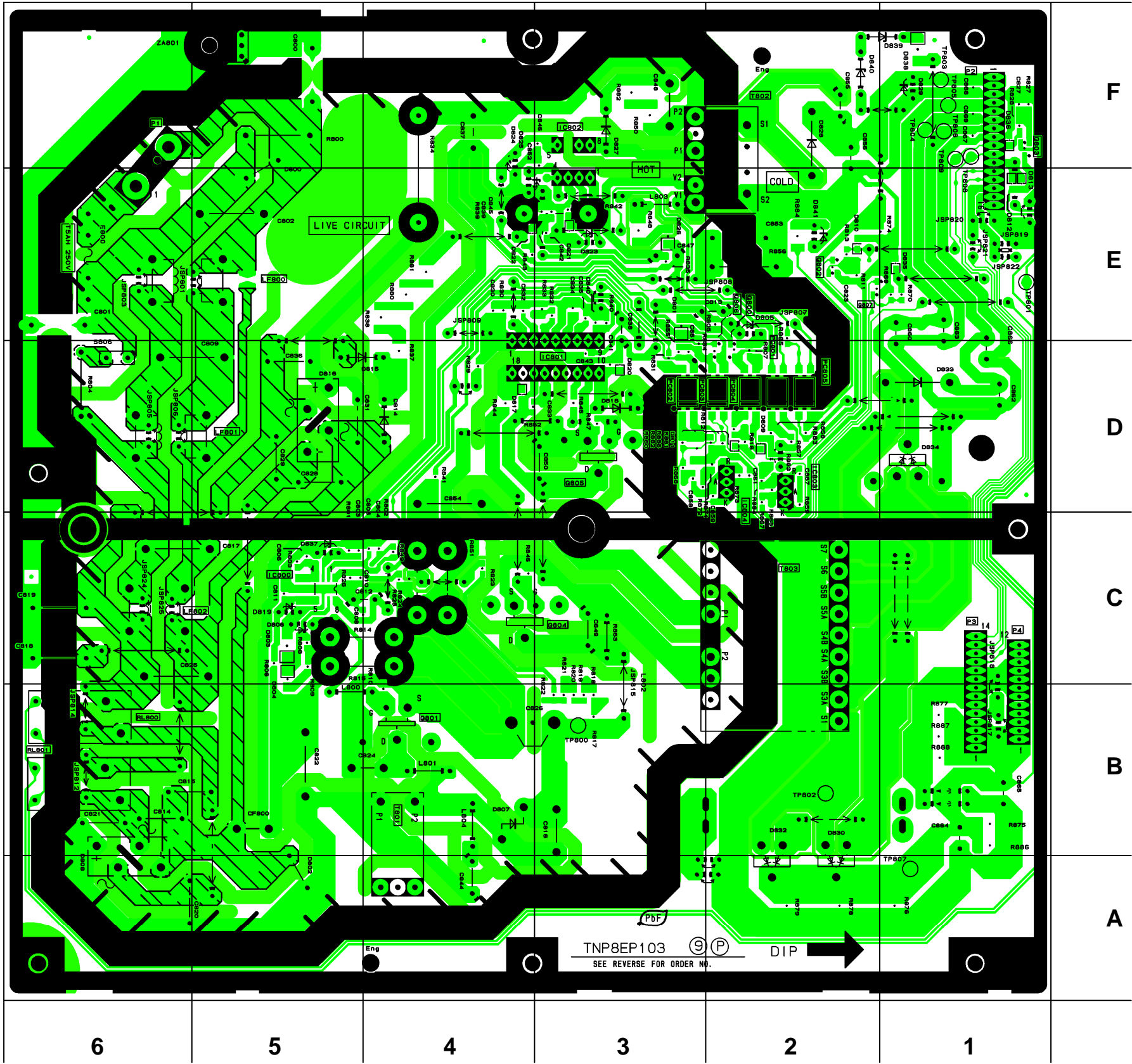
## P-BOARD TNP8EP103 - TOP

<b>IC'S</b>		D808	6B
IC801	3E	D814	4D
IC802	3F	D815	4E
IC803	2D	D816	5D
IC804	2D	D818	3D
		D819	5C
<b>TRAN'S</b>		D823	3E
Q801	4B	D824	4F
Q804	3C	D825	3F
Q805	3D	D827	3F
		D829	1F
<b>DIODE'S</b>		D830	2B
D800	5E	D834	1D
D805	2E	D837	5C
D806	5C	D841	2E
D807	4B		



P-BOARD TNP8EP103 - BOTTOM

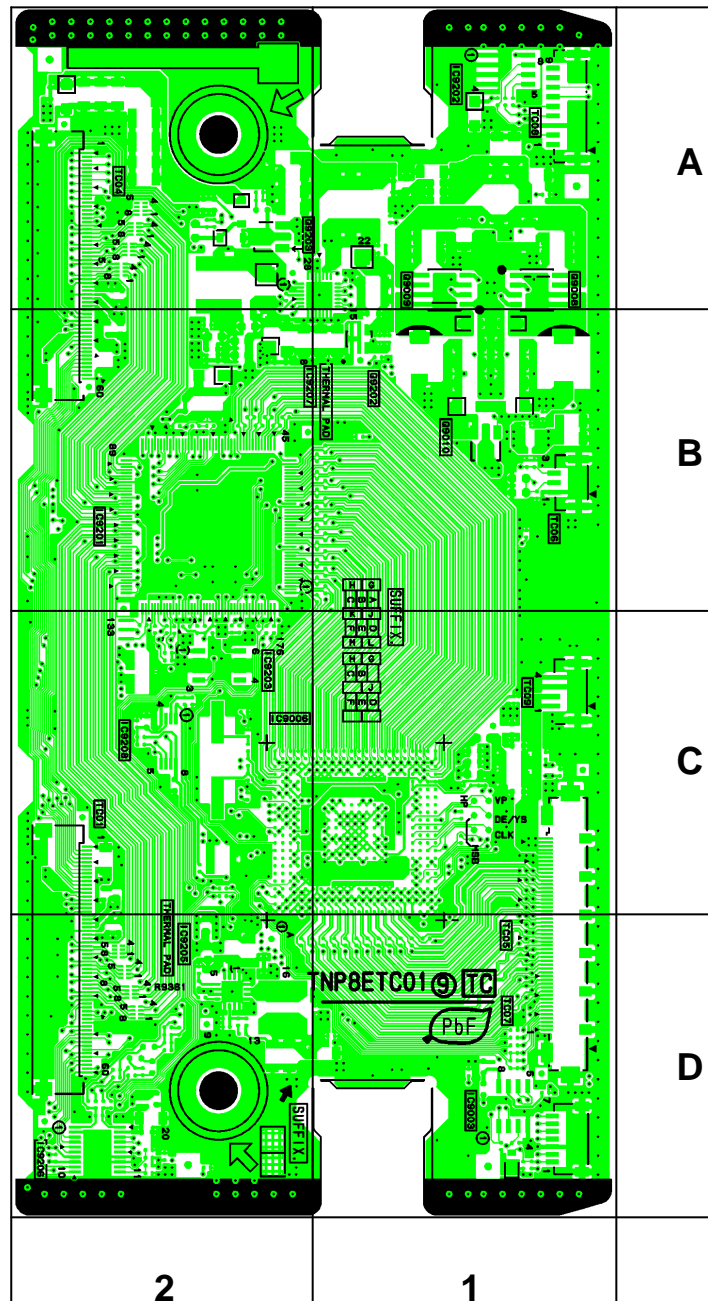
IC'S		
IC800	5C	D803 5C
		D804 5B
		D809 2D
TRAN'S		
Q800	2E	D810 2E
Q802	2E	D811 3D
Q803	1F	D812 1F
Q806	2E	D813 1F
Q807	2E	D821 3E
		D822 4E
		D826 3E
DIODE'S		
D801	3E	D835 1E
		D836 1F





# TC-BOARD TNP8ETC01 - TOP

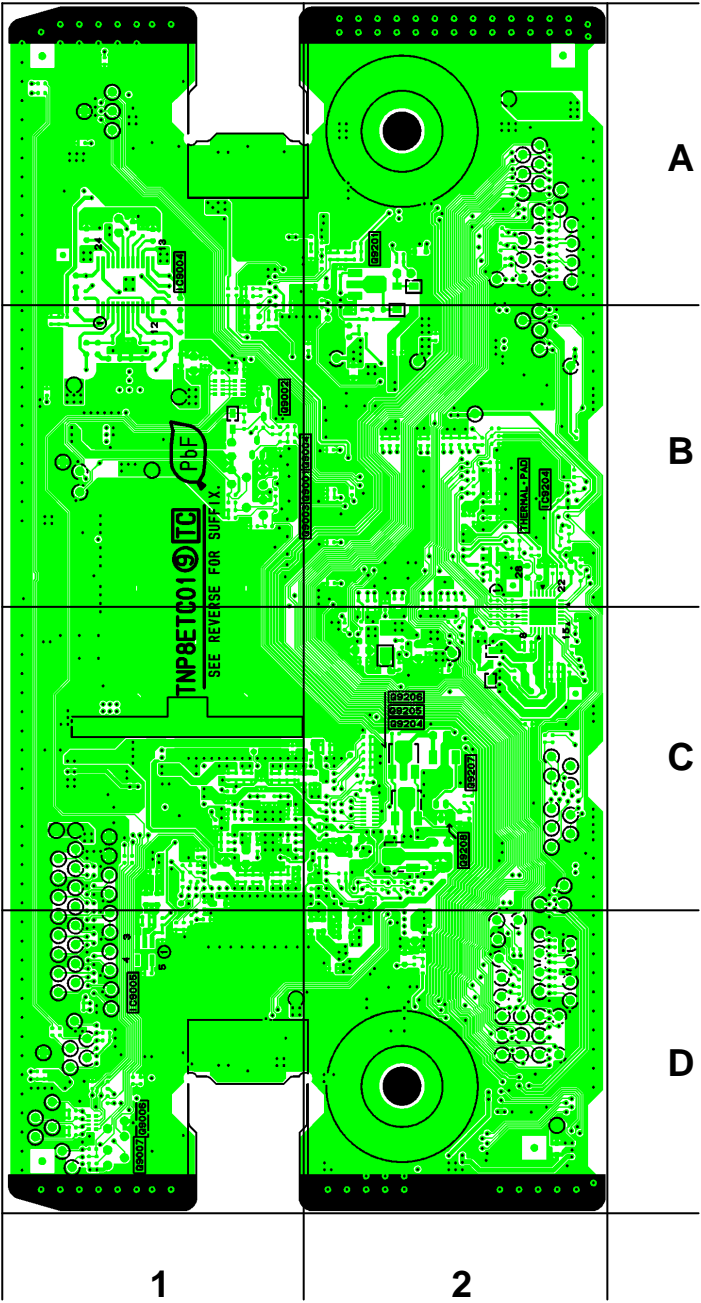
IC'S	
IC9003	1D
IC9006	2C
IC9201	2B
IC9202	1A
IC9203	2C
IC9205	2D
IC9206	2D
IC9207	2B
IC9208	2C
TRAN'S	
Q9008	1A
Q9009	1A
Q9202	1B
Q9203	2A





TC-BOARD TNP8ETC01 - BOTTOM

IC'S	
IC9004	1A
IC9005	1D
IC9204	2B
TRAN'S	
Q9001	2B
Q9003	2B
Q9007	1D
Q9201	2A
Q9204	2C
Q9205	2C
Q9206	2C
Q9207	2C
Q9208	2C



## V-BOARD TNP8EV103 - TOP

IC'S	
RM2500	1A
TRAN'S	
Q2500	2A
Q2501	2A
Q2504	1A

